

FIG. 2

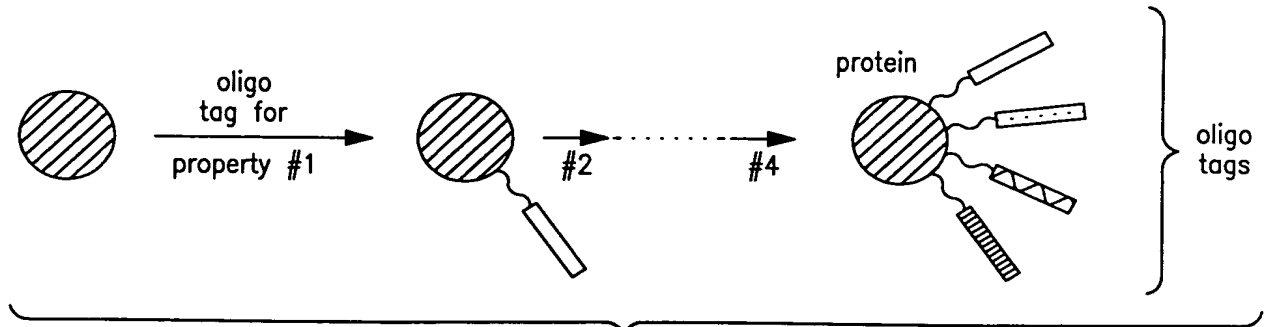


FIG. 3

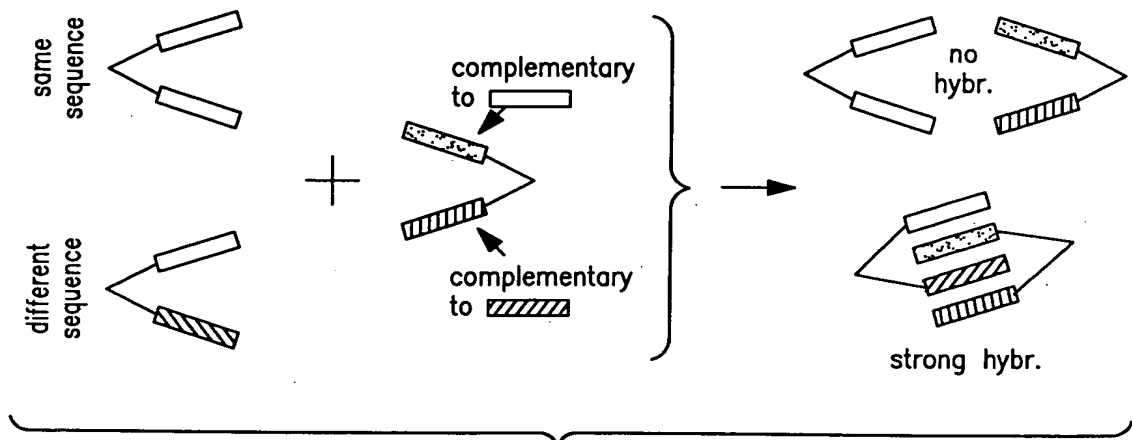


FIG. 4

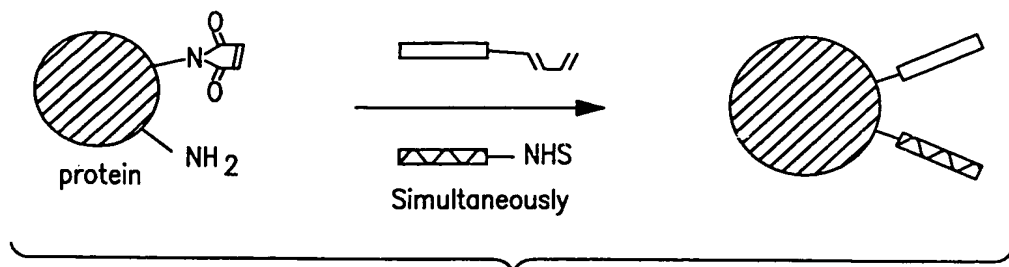


FIG. 5

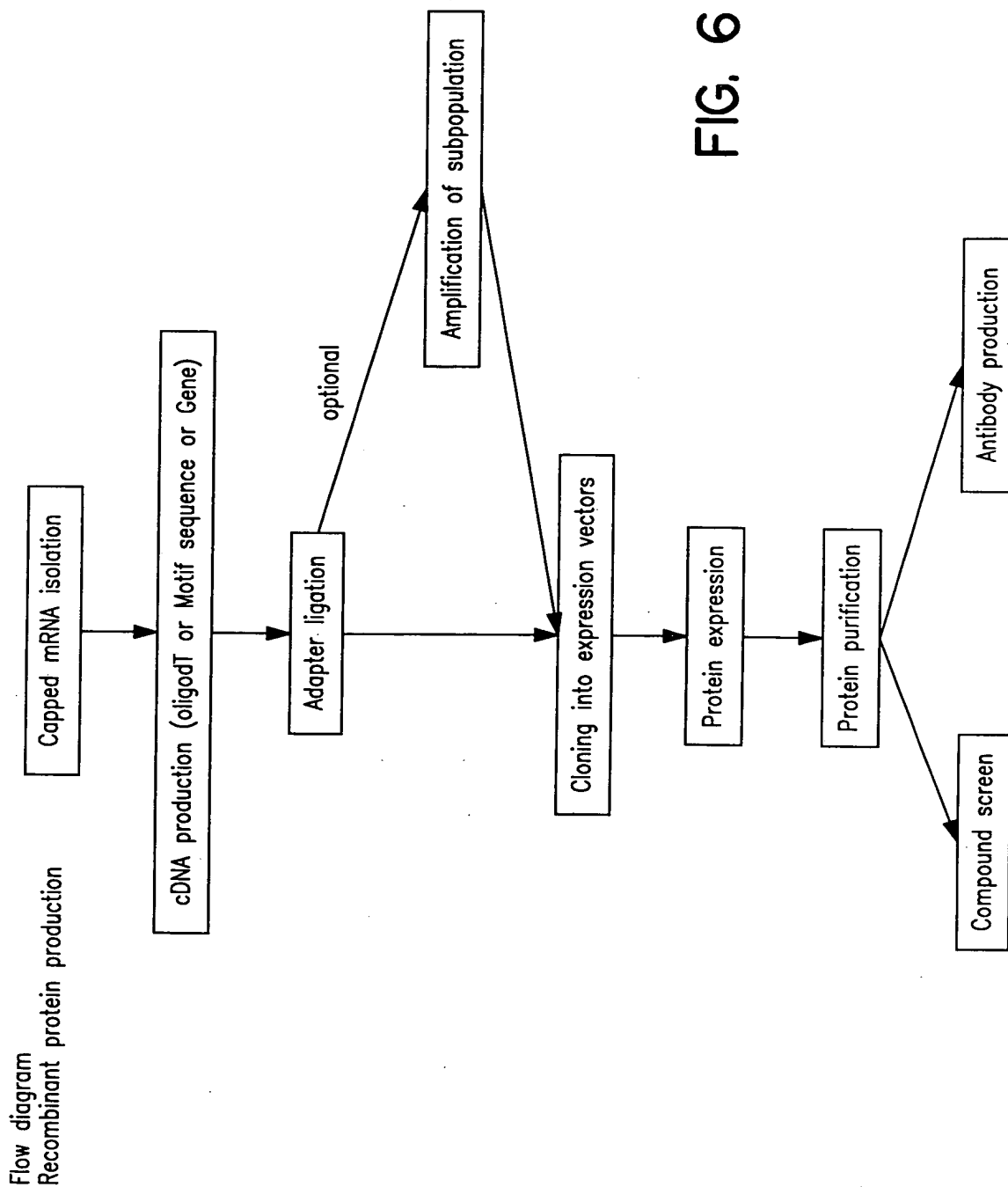


FIG. 6

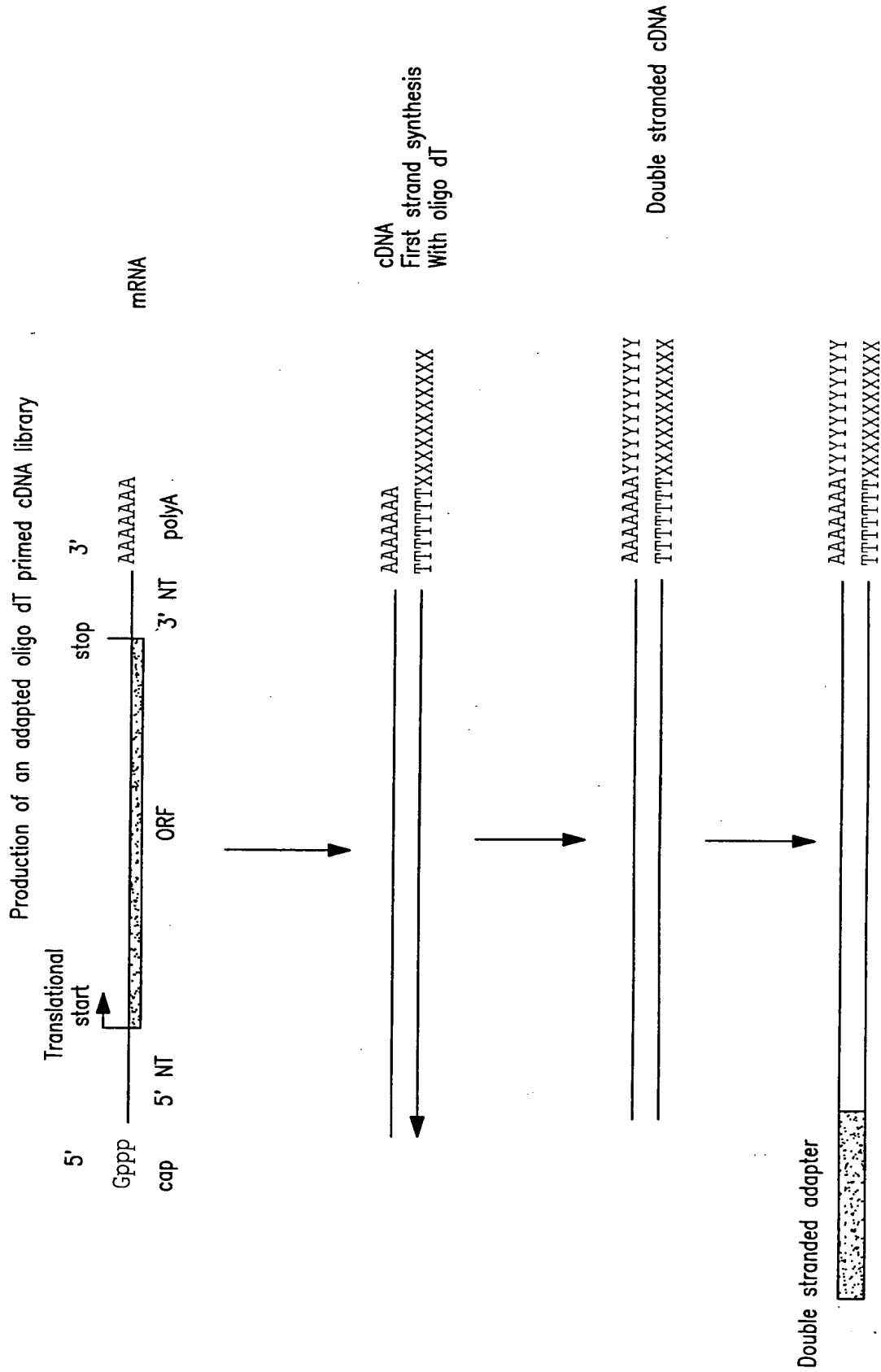
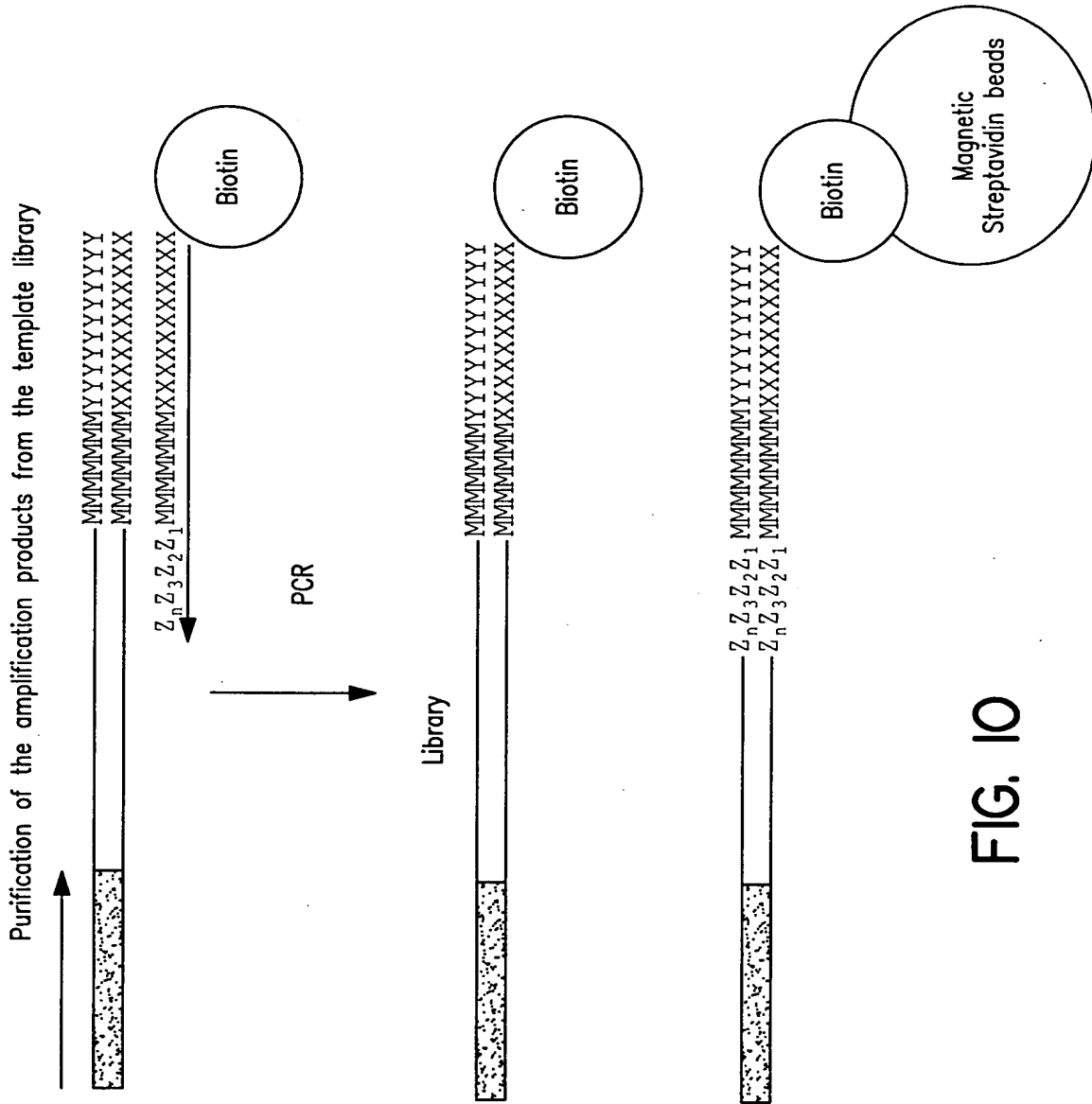


Fig. 7



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Adapted oligo dT primed cDNA library as universal template for the amplification of gene subpopulations

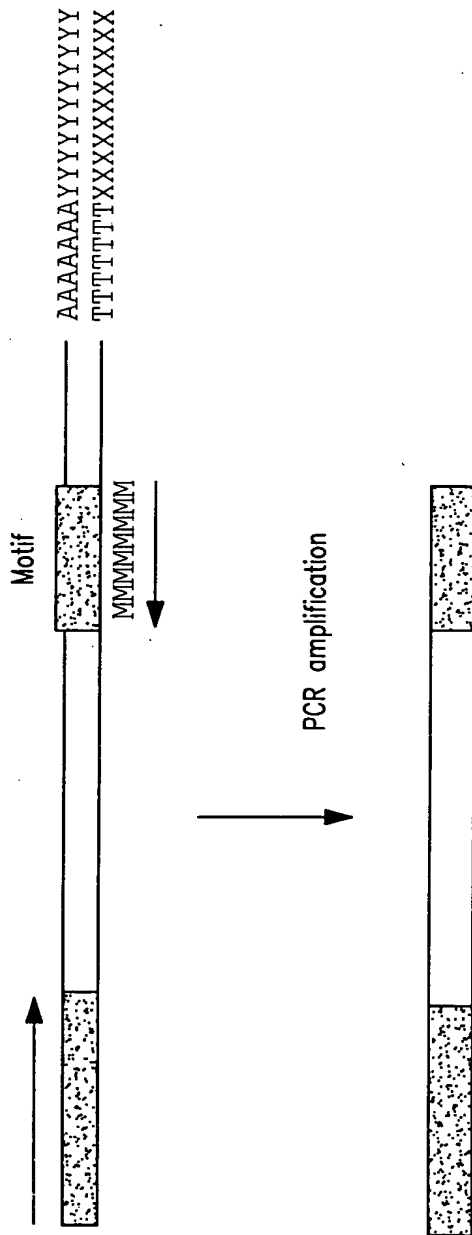


FIG. 11

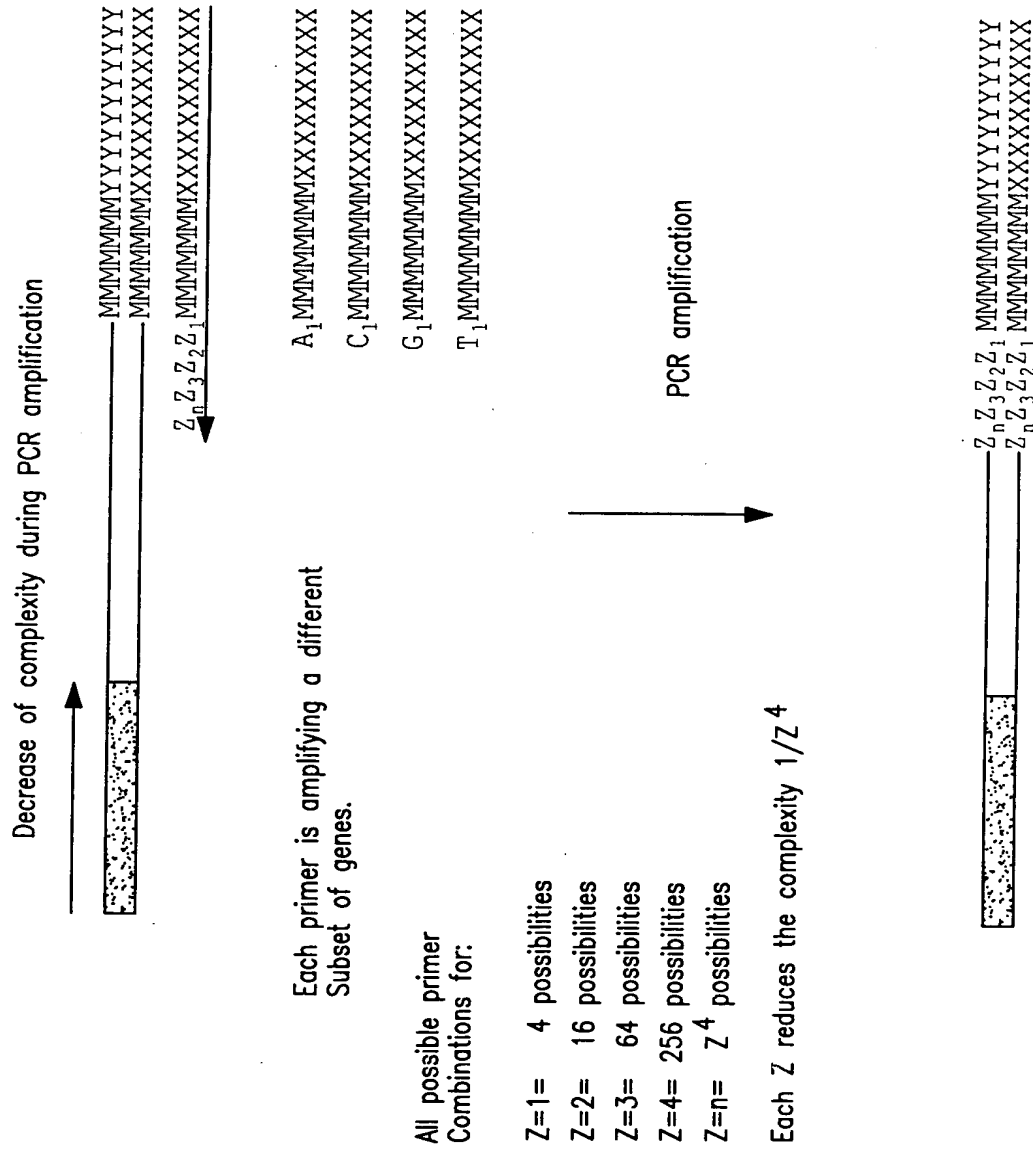
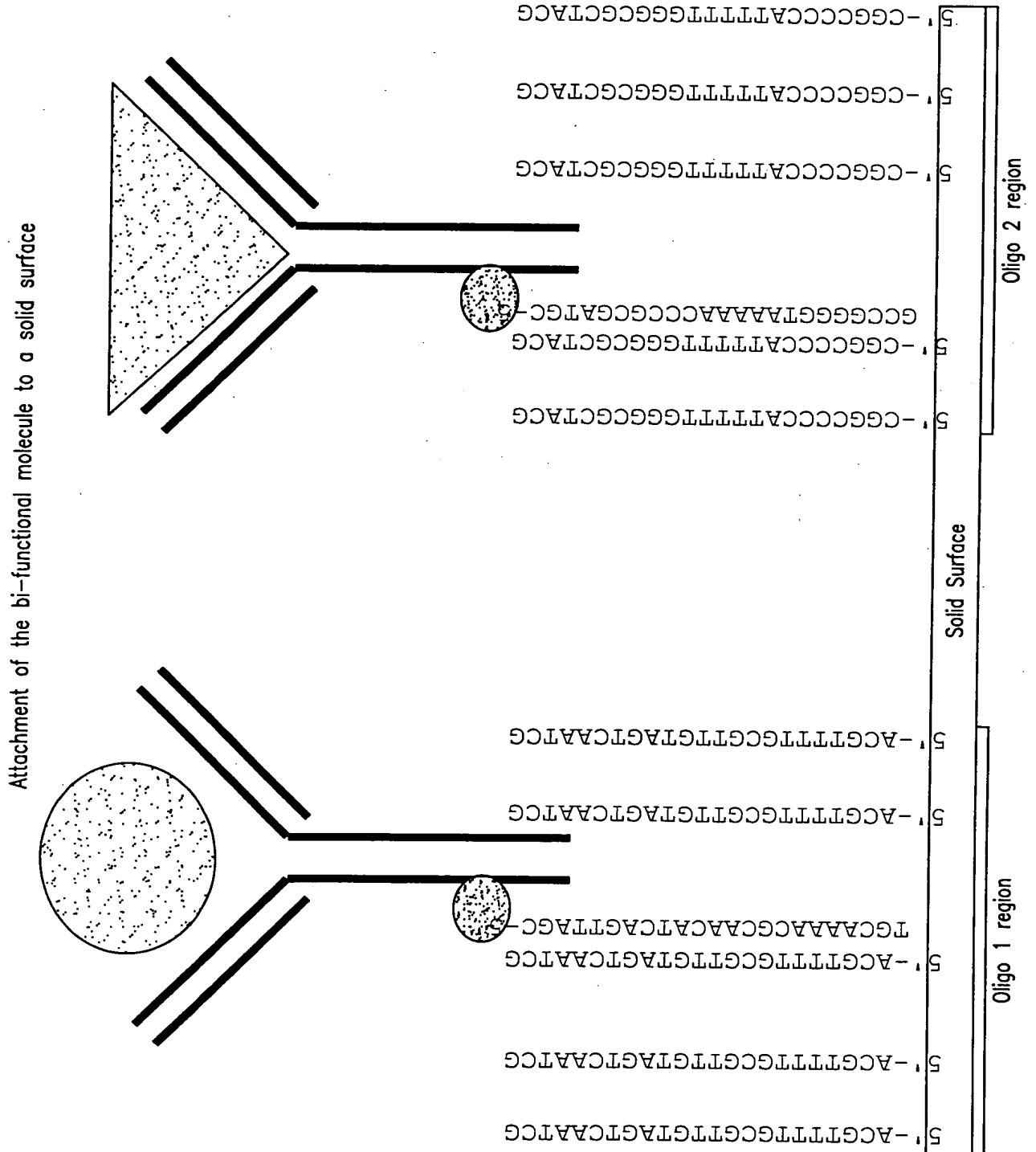


FIG. 3



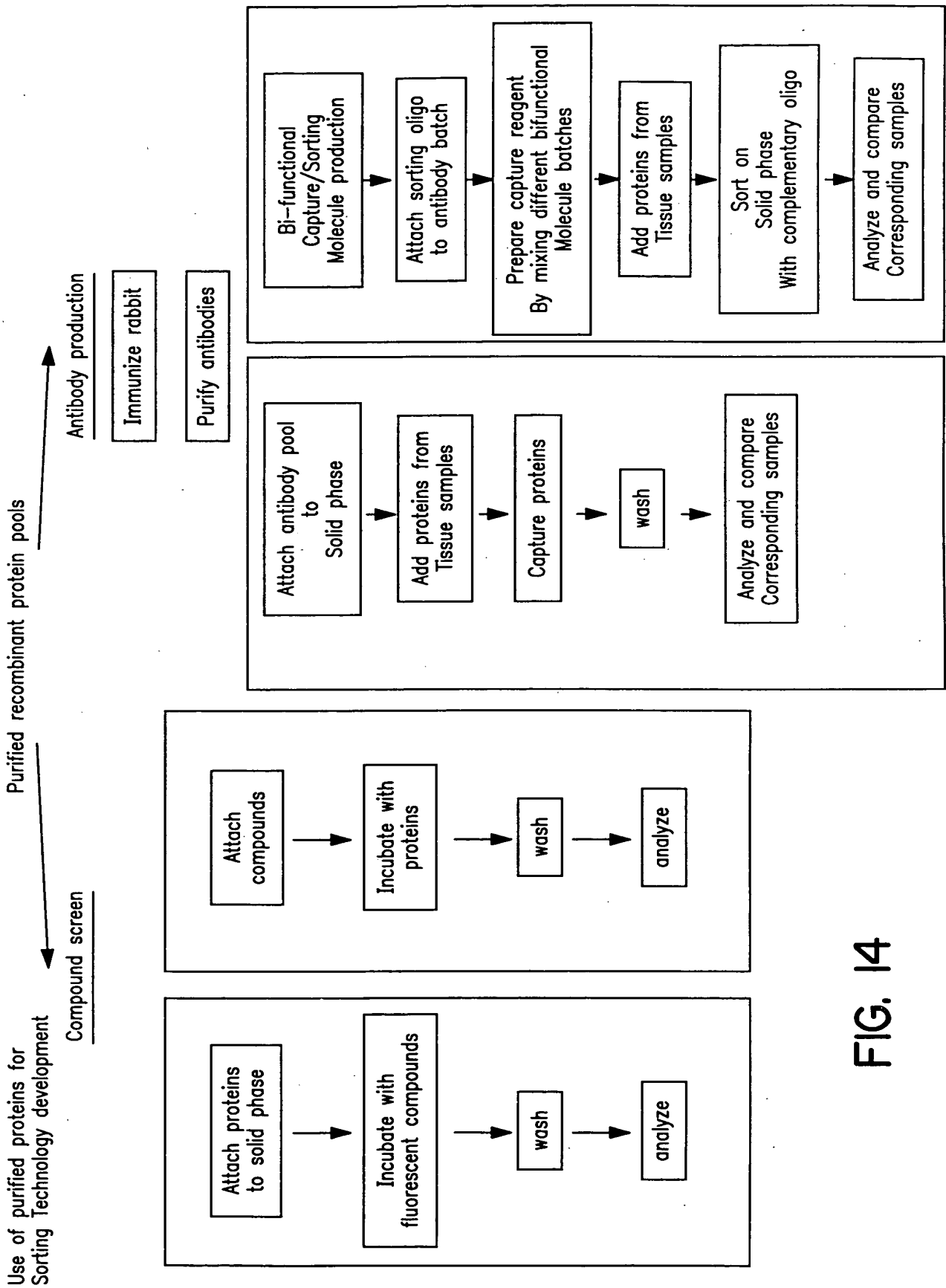


FIG. 14

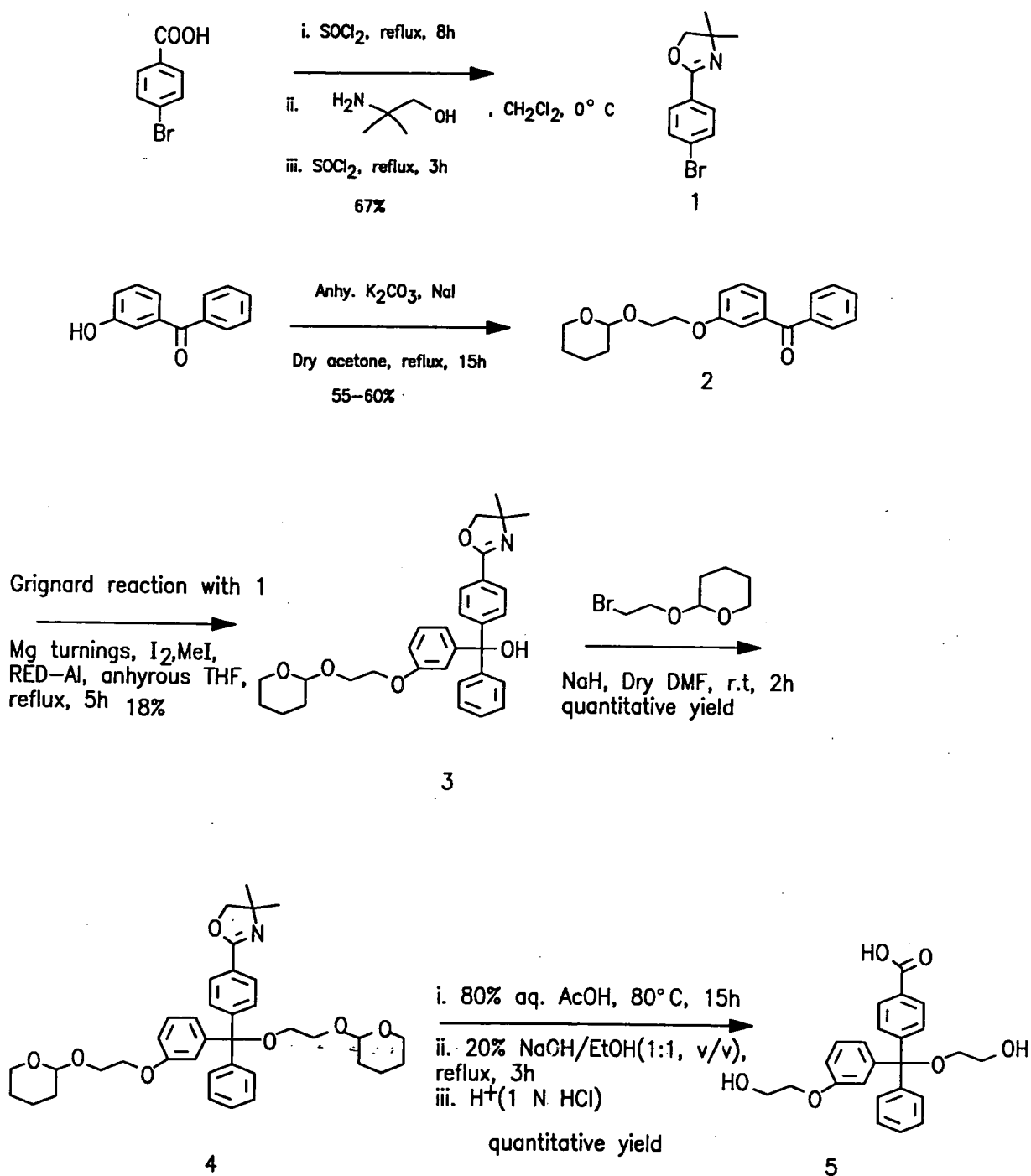


FIG. 15a

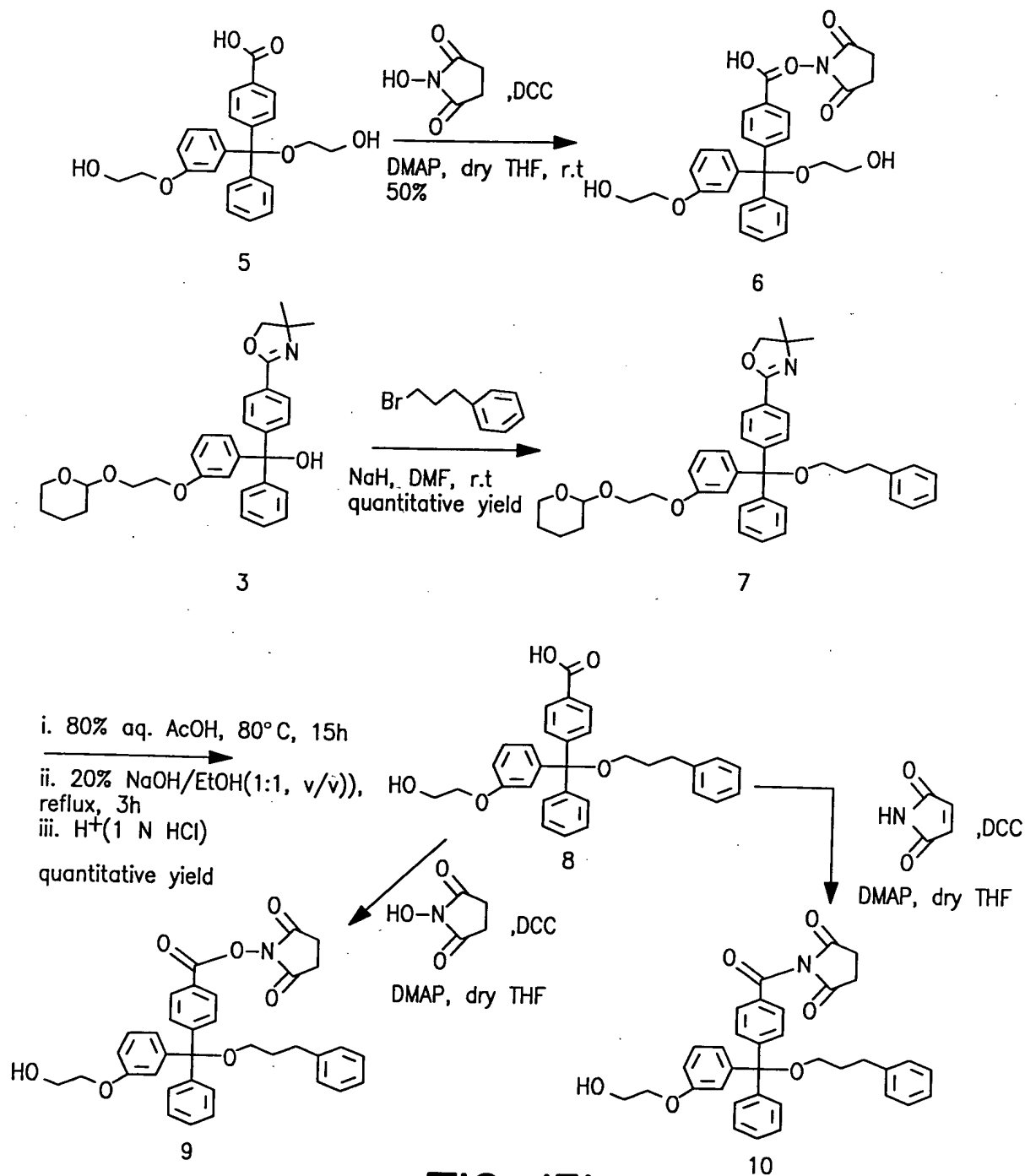


FIG. 15b

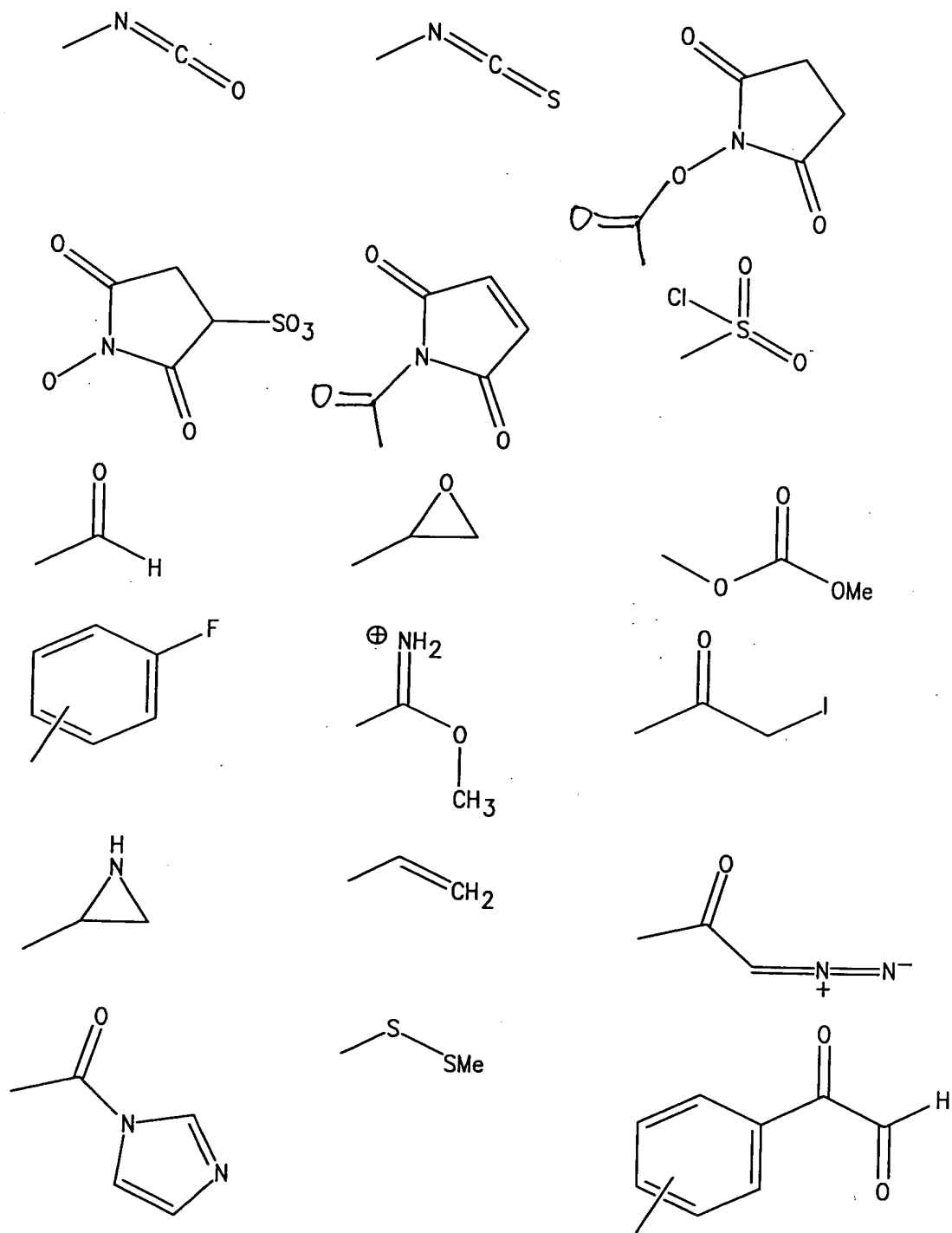


FIG. 16a

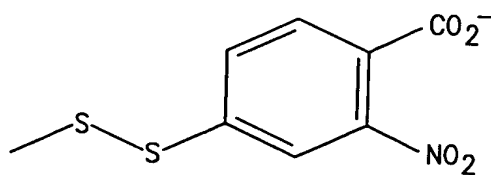
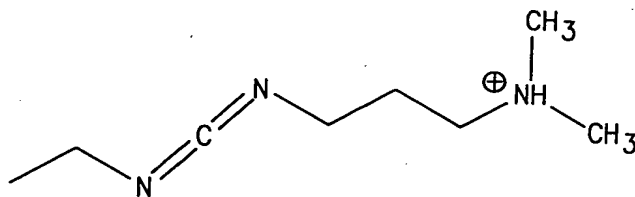
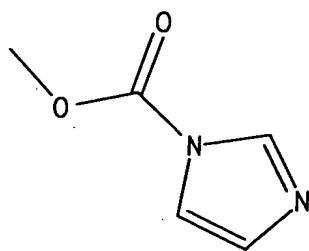
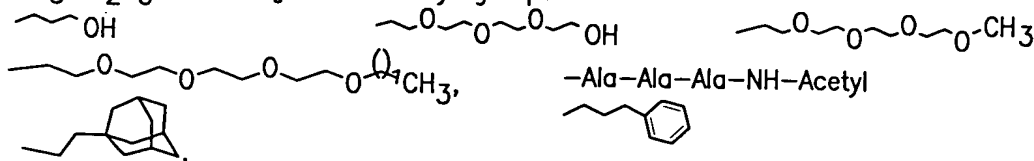
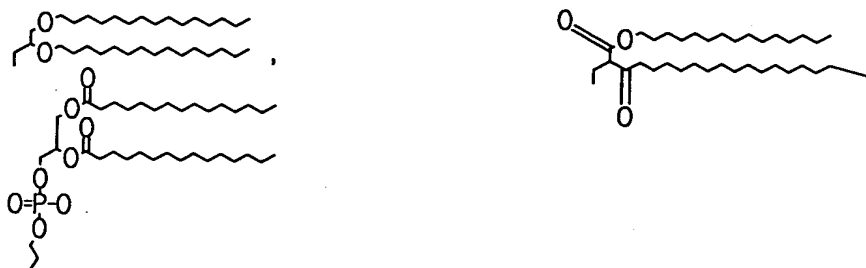


FIG. 16b



SMALL MOLECULESCH<sub>3</sub>, C<sub>2</sub>H<sub>5</sub>, and longer chain alkyl groupsNATURAL PRODUCTS

Cholesterol, Steroids, alkaloids, flavonoids, prostaglandin, peptides, EGF, rapamycin

PROTEIN AGONISTS AND ANTAGONISTS

1,1,1-Trifluoro-6Z,9Z,12Z,15Z-heneicosatetraen-2-one,

trans-4-[3-Methyl-6-(1-methylethenyl)-2-cyclohexen-1-yl]-5-pentyl-1,3-benzenediol,

Arachidonyl-2'-chloroethylamide/  
(all Z)-N-(2-cycloethyl)-5,8,11,14-eicosatetraenamide,

Arachidonylcyclopropylamide/(all Z)-N-(cyclopropyl)-5,8,11,14-eicosatetraenamide,

N-(Piperidin-1-yl)-5-(4-iodophenyl)-1-(2,4-dichlorophenyl)-4-methyl-1H-pyrazole-3-carboxamide,

1-(2,4-Dichlorophenyl)-5-(4-iodophenyl)-4-methyl-N-4-morpholinyl-1H-pyrazole-3-carboxamide,

(all Z)-N-(4-Hydroxyphenyl)-5,8,11,14-eicosatetraenamide,

6-Iodo-2-methyl-1-[2-(4-morpholinyl)ethyl]-1H-indol-3-yl](4-methoxyphenyl) methanone,

Arachidonylethanolamide/(all Z)-N-(2-Hydroxyethyl)-5,8,11,14-eicosatetraenamide,

FIG. 17a

Arachidonylethanolamide/(all Z)-N-(2-Hydroxyethyl)-5,8,11,14-eicosatetraenamide,

N-(2-Hydroxyethyl)-[5,6,8,9,11,12,14,15-H]-5Z,8Z,11Z,14Z-eicosatetraenamide,

2-AG/(5Z,8Z,11Z,14Z)-5,8,11,14-Eicosatetraenoic acid, 2-hydroxy-1-(hydroxymethyl)ethyl ester,

(-)-cis-3-[2-Hydroxy-4-(1,1-dimethylheptyl)phenyl]-trans-4-(3-hydroxypropyl)cyclohexanol,

Docosatetraenylethanolamide/N-(2-Hydroxyethyl)-7Z,10Z,13Z,16Z-docosatetraenamide,

(6aR)-trans-3-(1,1-Dimethylheptyl)-6a,7,10,10a-tetrahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-9-methanol,

[6aR-(6a $\alpha$ ,9 $\alpha$ ,10a $\beta$ )]-3-(1,1-Dimethylheptyl)-6a,7,8,9,10,10a-hexahydro-1-hydroxy-6,6-dimethyl-6H-dibenzo[b,d]pyran-[7,8-H]-9-methanol,

(2-Methyl-1-propyl-1H-indol-3-yl)-1-naphthalenylmethanone,

(6aR,10aR)-3-(1,1-dimethylbutyl)-6a,7,10,10a-tetrahydro-6,6,9-trimethyl-6H-dibenzo[b,d]pyran,

Methyl arachidonyl fluorophosphonate/(5Z,8Z,11Z,14Z)-5,8,11,14-eicosatetraenyl-methyl ester phosphonofluoridic acid,

[R-(all-Z)]-N-(2-Hydroxy-1-methylethyl)-5,8,11,14-eicosatetraenamide, 2-[(5Z,8Z,11Z,14Z)-Eicosatetraenyloxy]-1,3-propanediol,

N-(bis-3-chloro-4-hydroxybenzyl)-5Z,8Z,11Z,14Z-eicosatetraenamide,

(9Z)-N-(2-Hydroxyethyl)-9-octadecenamide,

N-(2-Hydroxyethyl)hexadecanamide,

(5Z,8Z,11Z,14Z)-N-(4-Hydroxy-2-methylphenyl)-5,8,11,14-eicosatetraenamide,

(R)-(+)-[2,3-Dihydro-5-methyl-3-(4-morpholinylmethyl)pyrrolo[1,2,3-de]-1,4-benzoxazin-6-yl]-1-naphthalenylmethanone

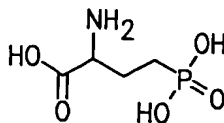


FIG. 17b

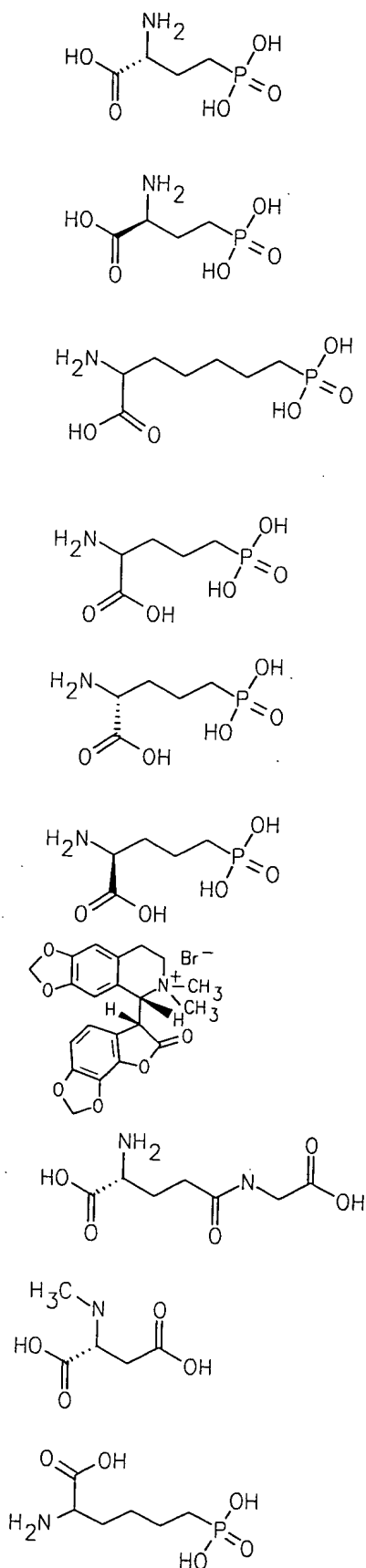


FIG. 17c

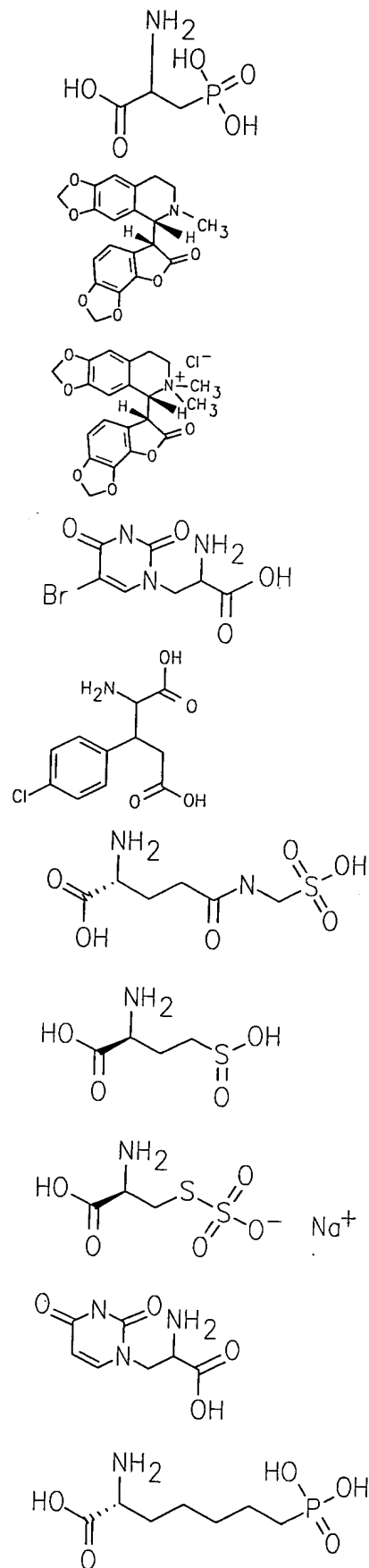


FIG. 17d

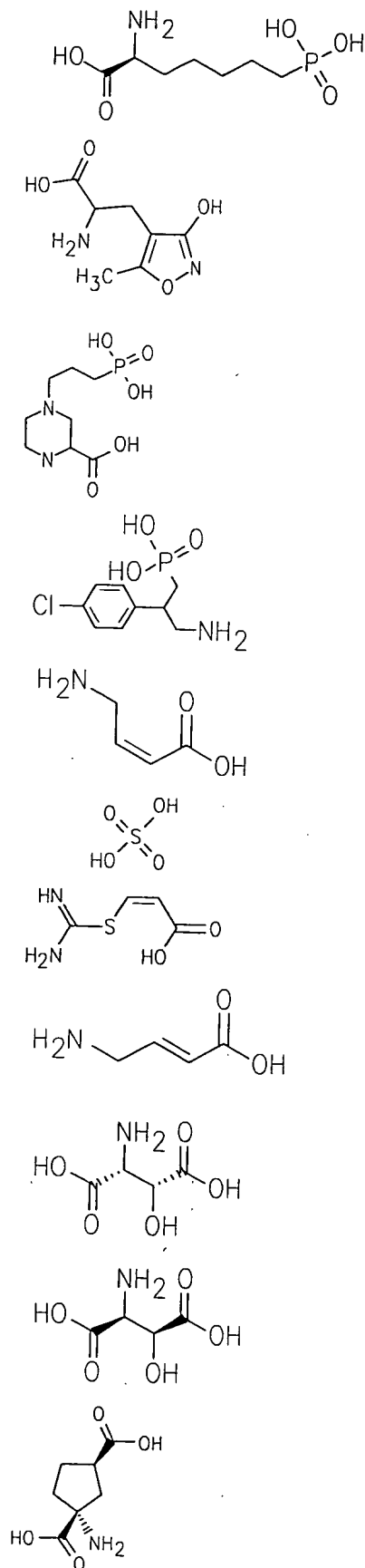


FIG. 17e

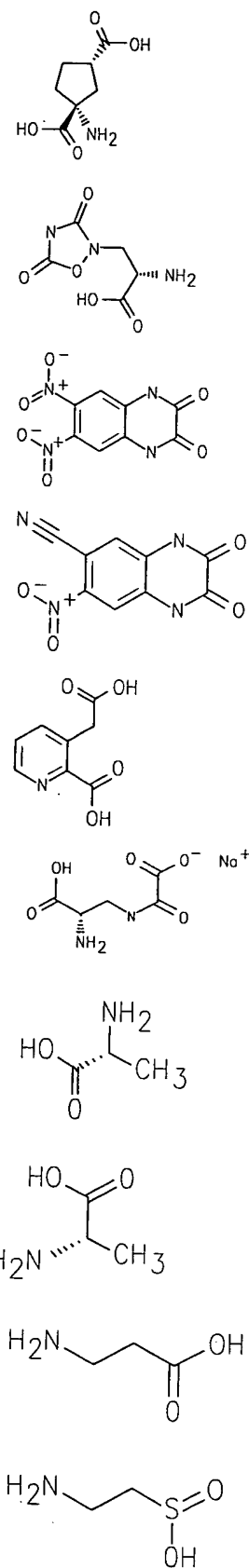


FIG. 17f

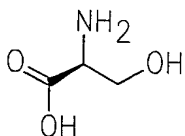
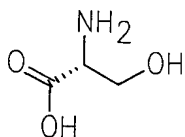
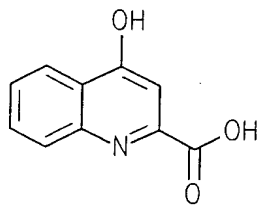
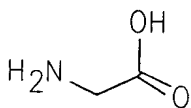
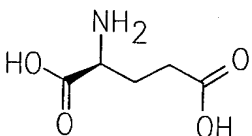
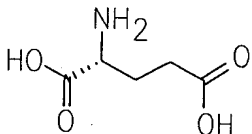
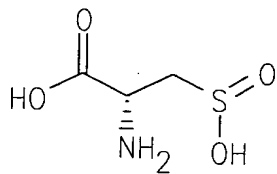
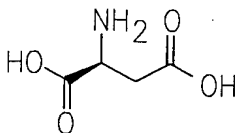
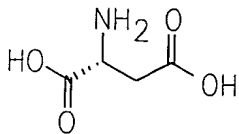
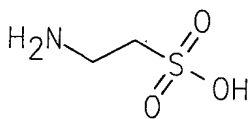


FIG. 17g

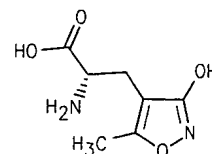
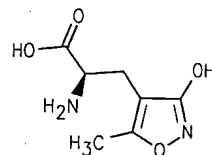
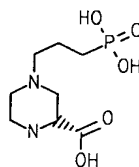
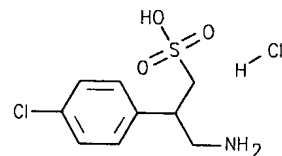
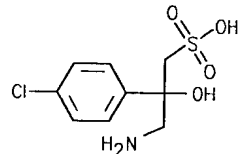
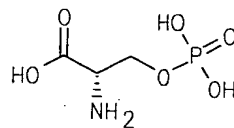
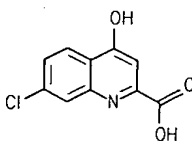
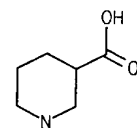
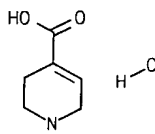
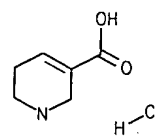


FIG. 17h

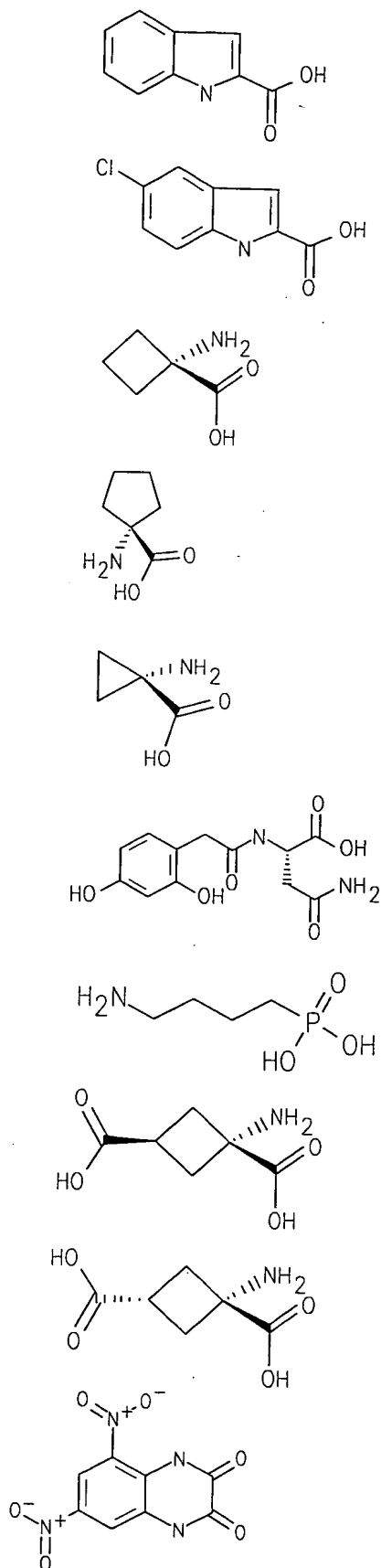


FIG. 17i

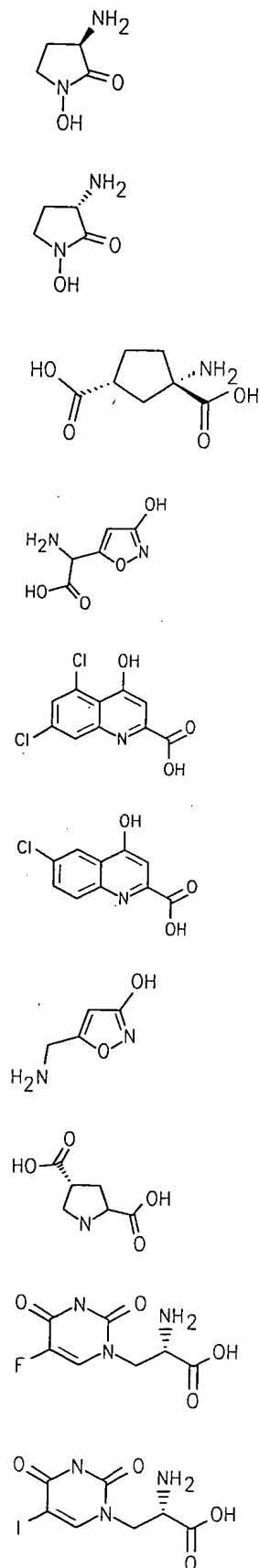


FIG. 17j

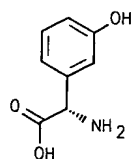
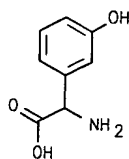
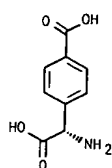
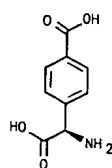
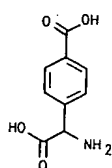
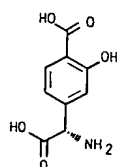
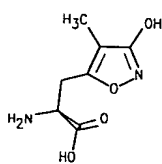
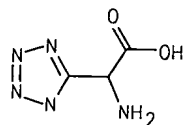
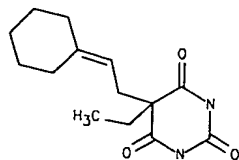
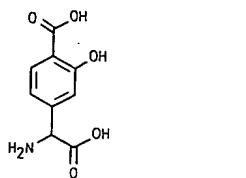


FIG. 17k

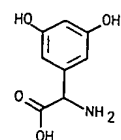
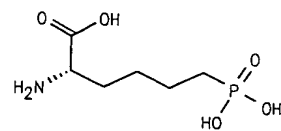
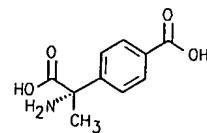
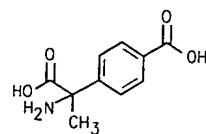
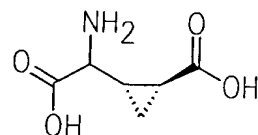
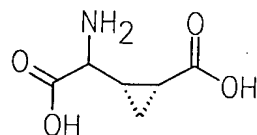
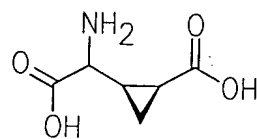
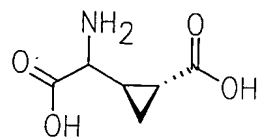
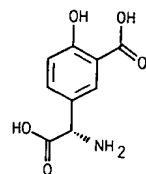
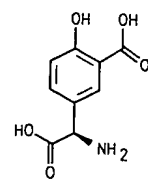


FIG. 17l

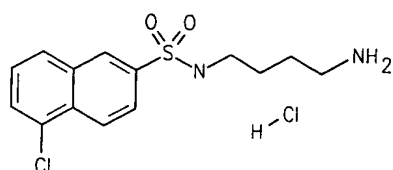
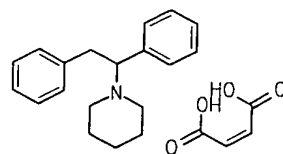
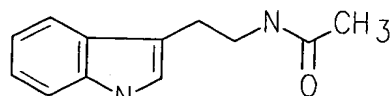
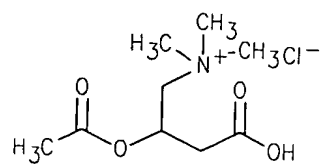
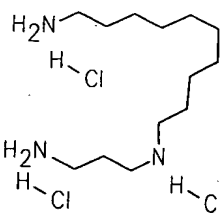
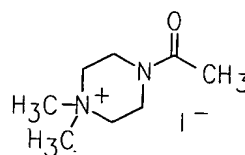
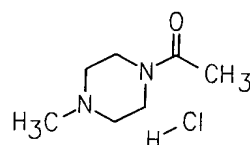
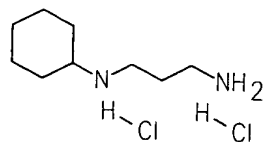
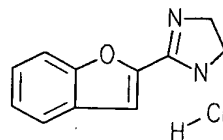
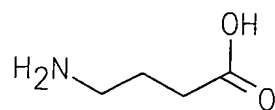


FIG. 17m

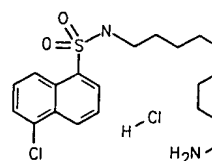
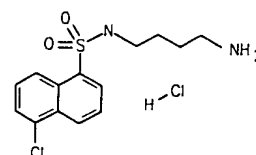
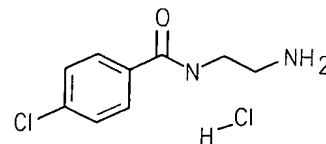
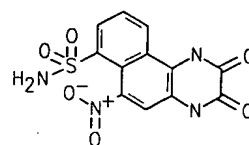
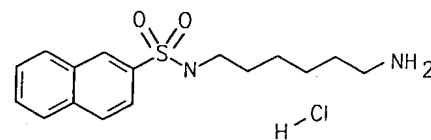
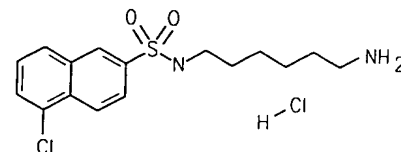
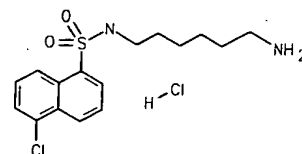
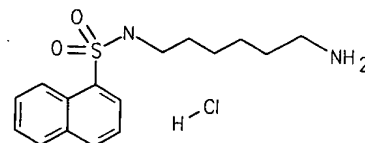
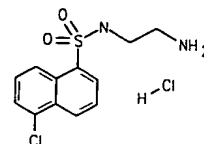
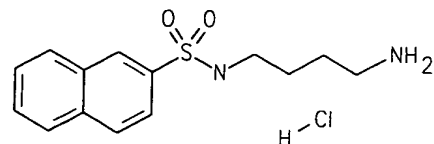


FIG. 17n



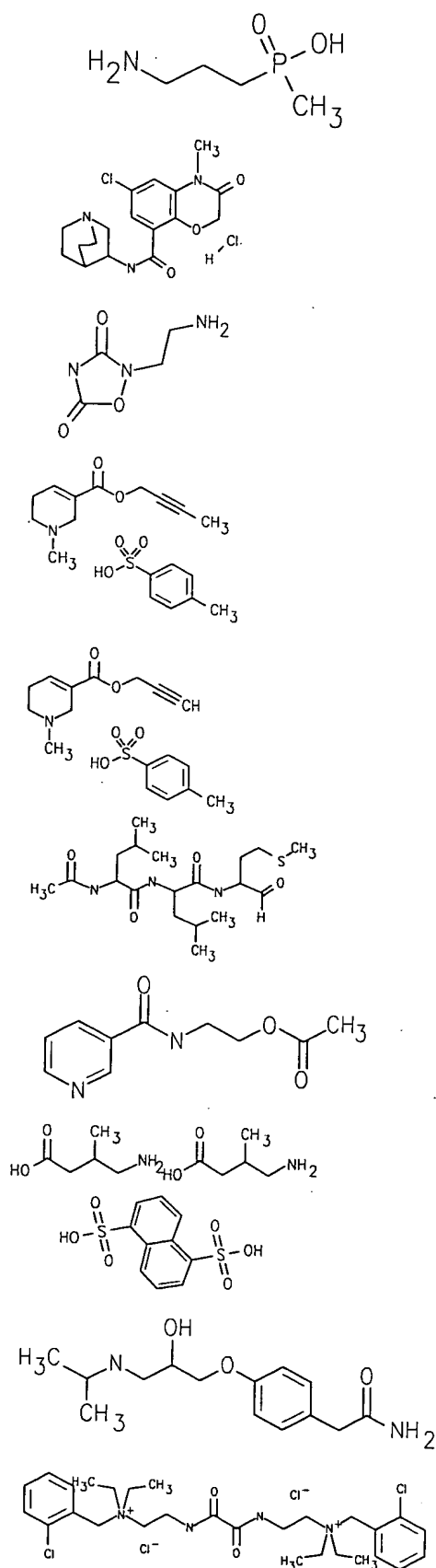


FIG. 17o

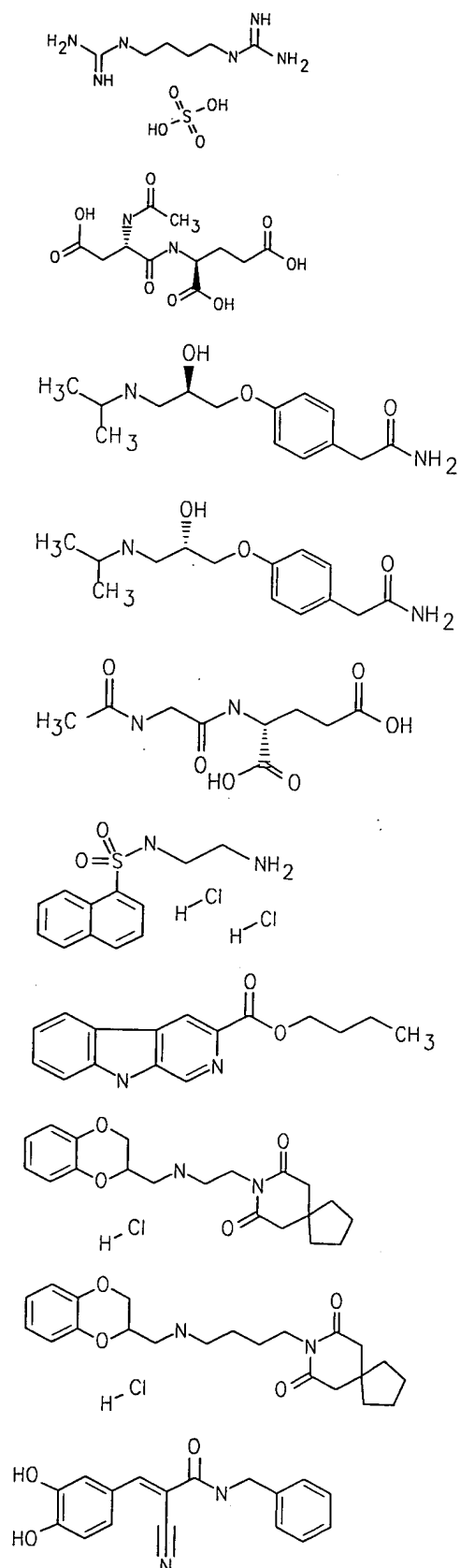


FIG. 17p

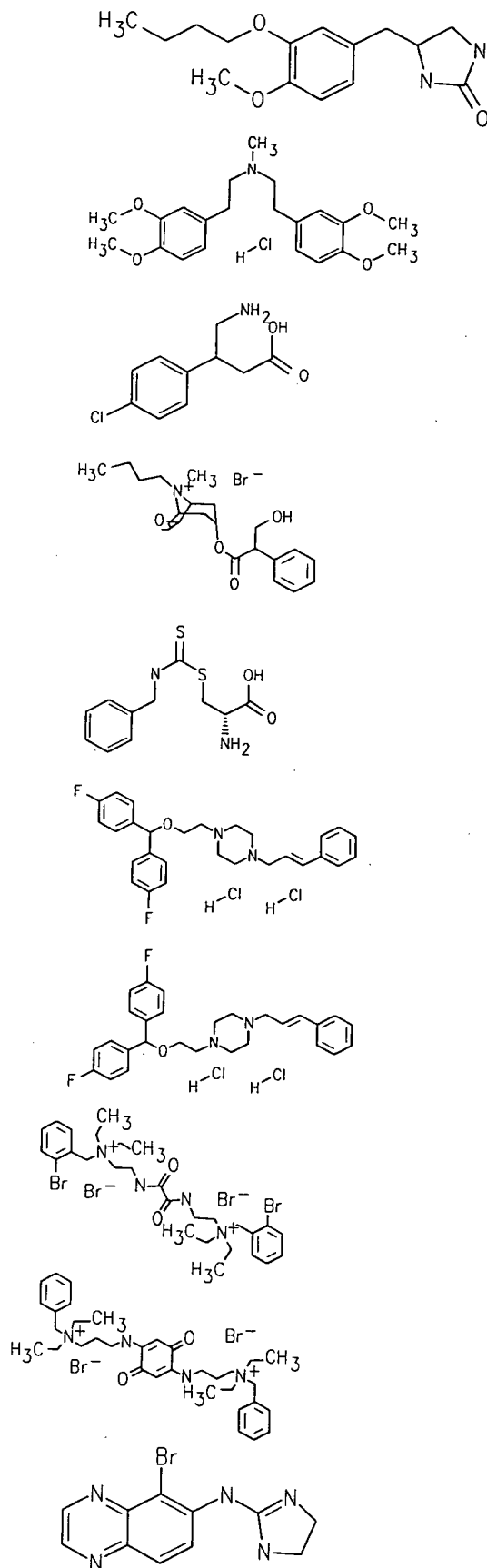


FIG. 17q

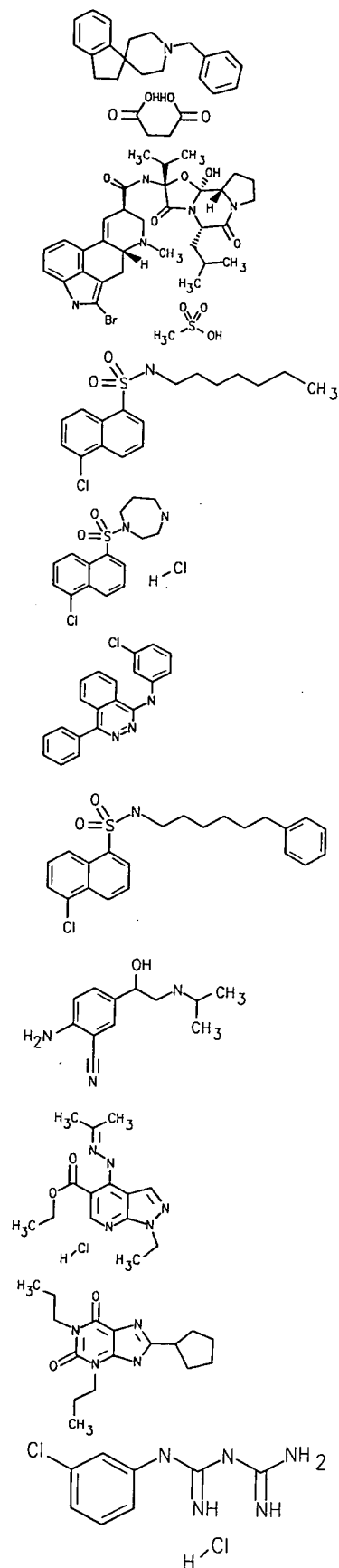


FIG. 17r

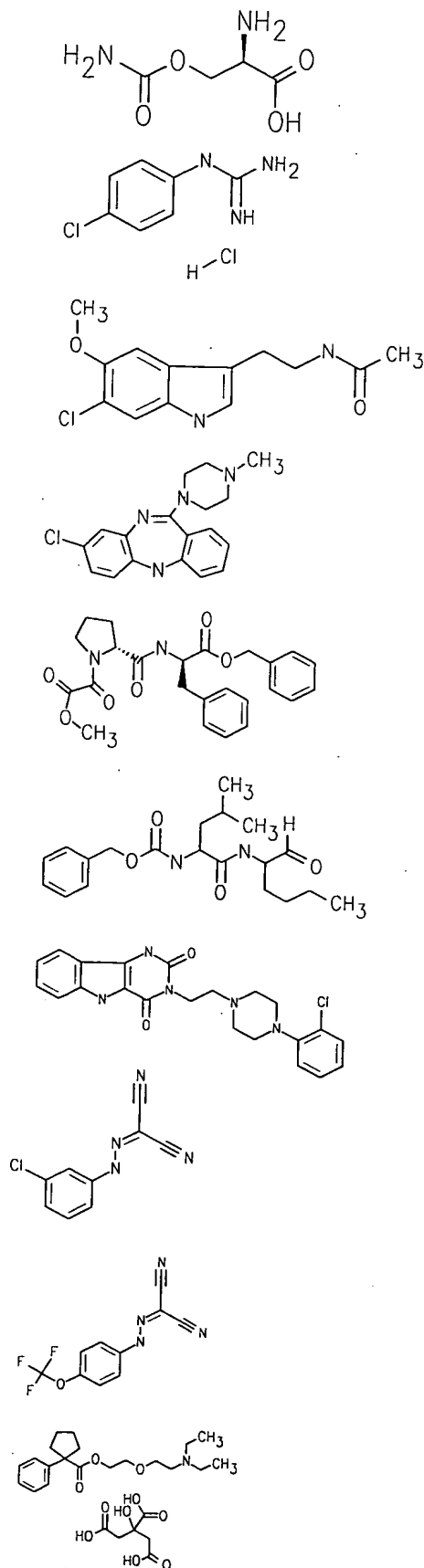


FIG. 17s

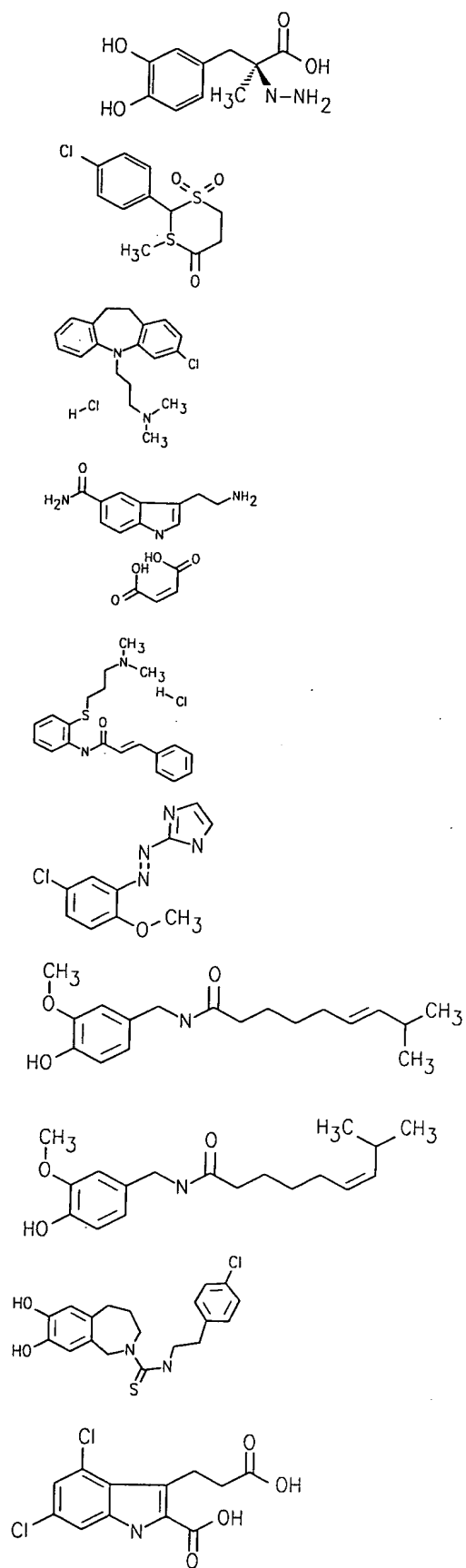


FIG. 17t

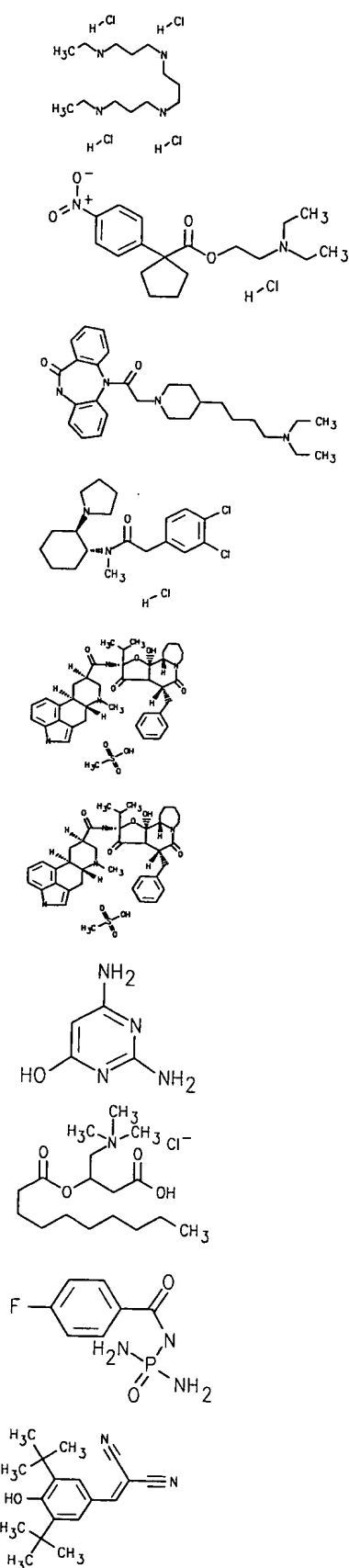


FIG. 17u

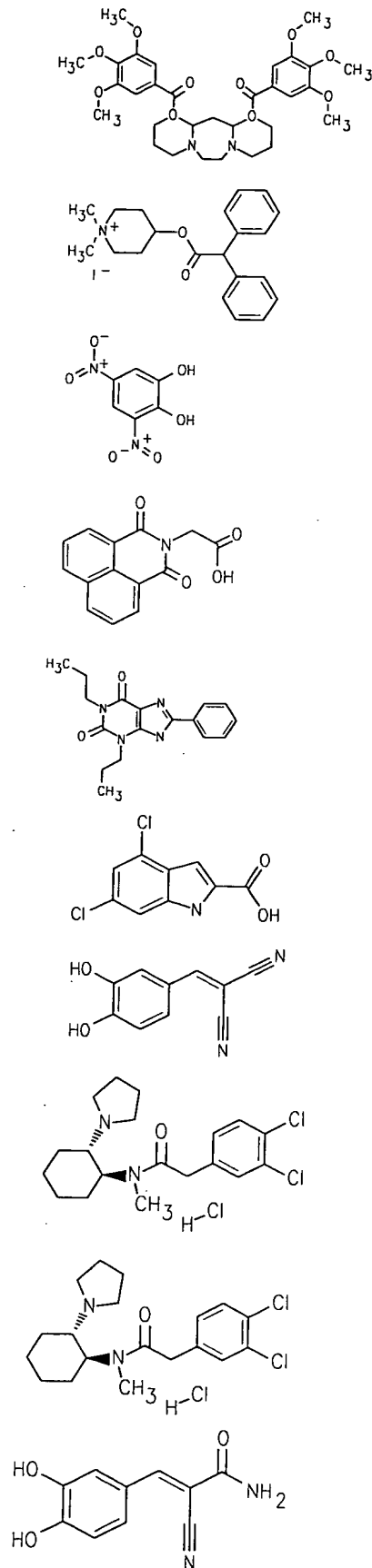


FIG. 17v

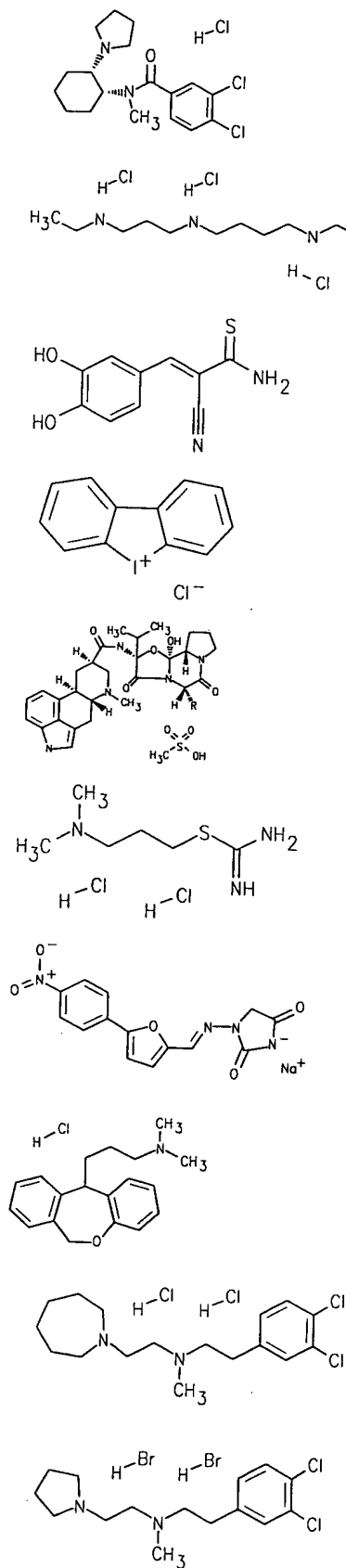


FIG. 17w

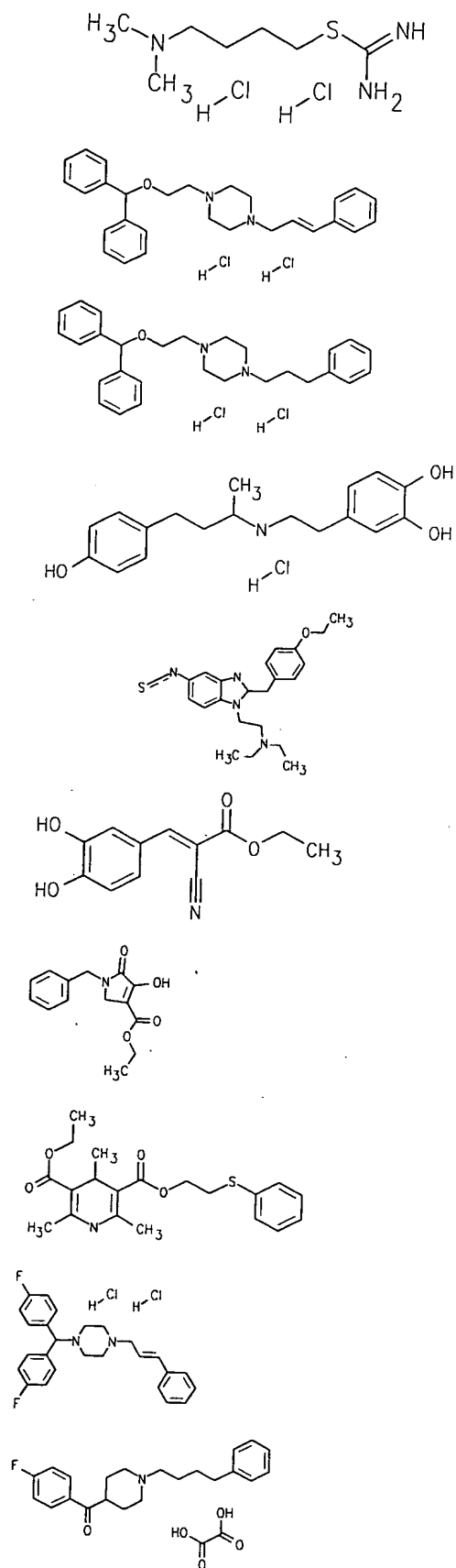


FIG. 17x

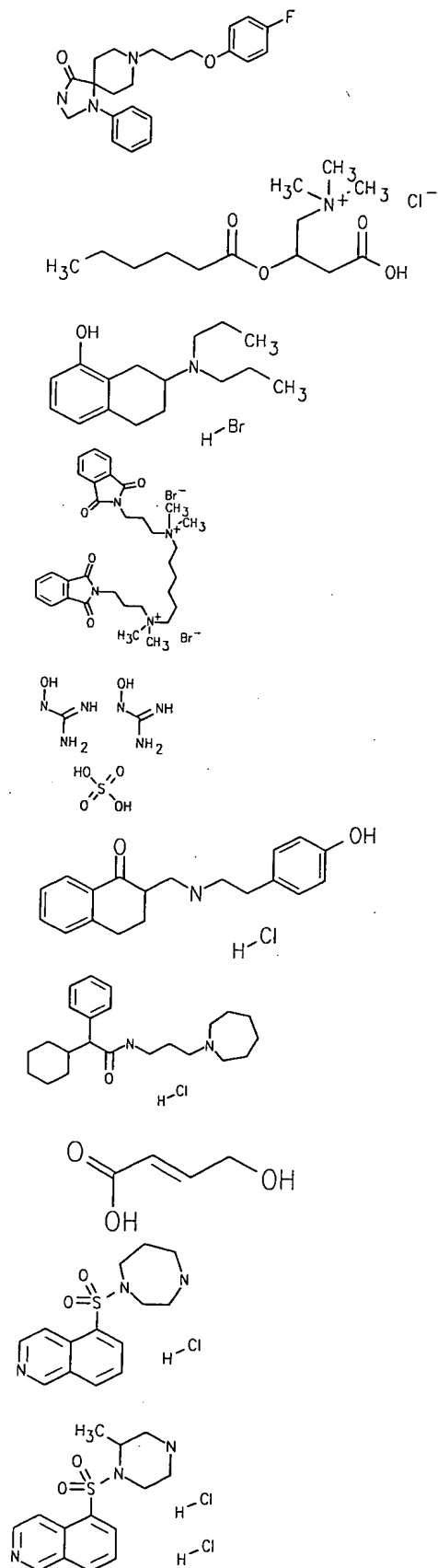


FIG. 17y

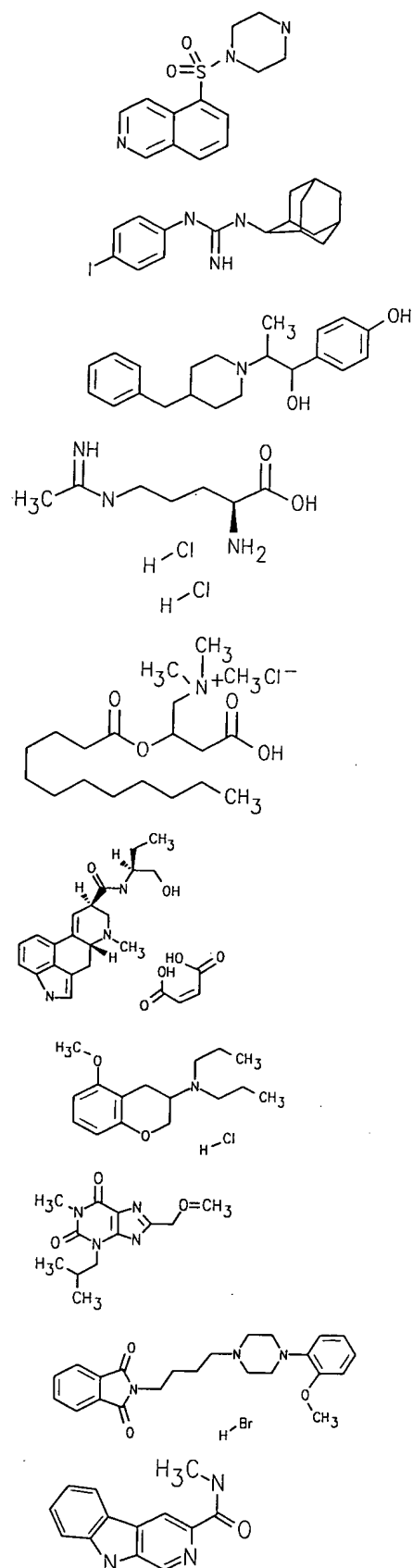


FIG. 17z

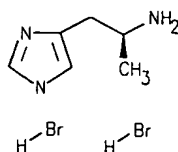
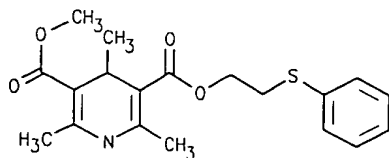
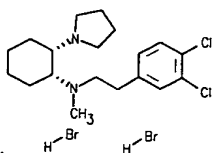
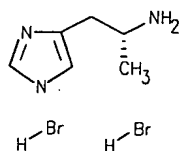
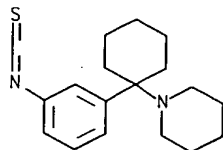
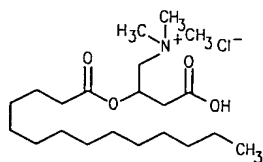
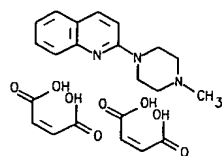
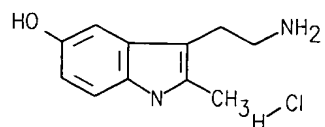
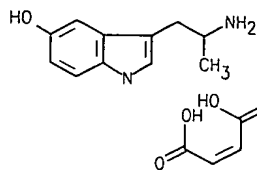
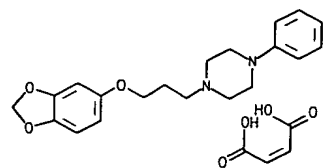


FIG. 17aa

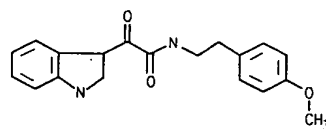
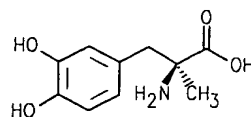
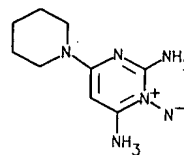
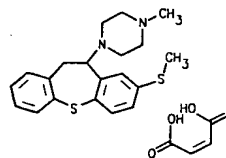
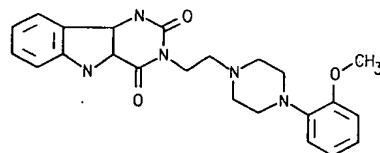
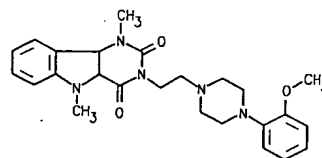
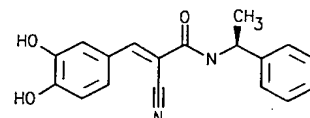
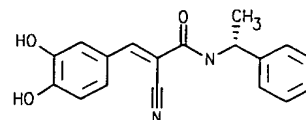
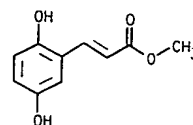
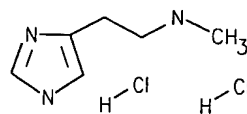


FIG. 17bb

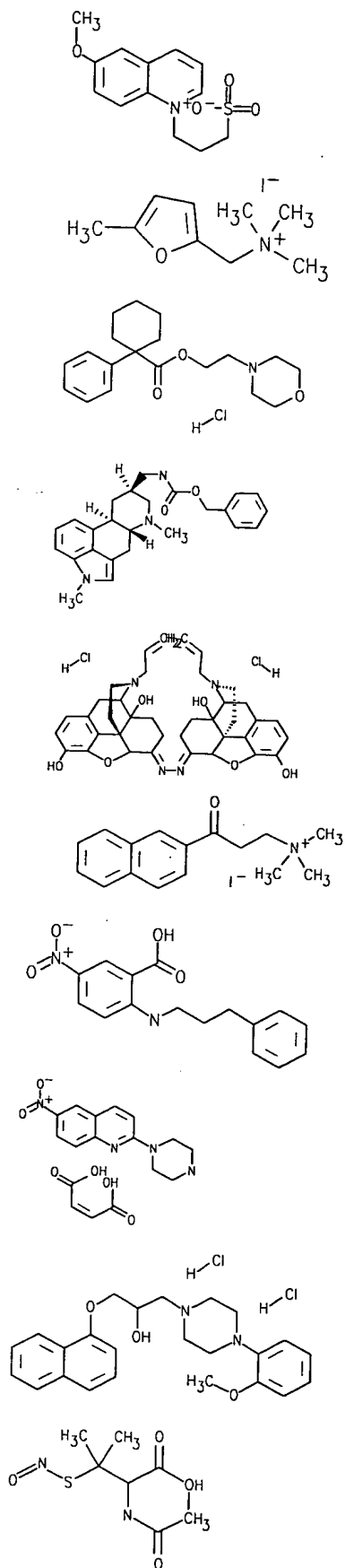


FIG. 17cc

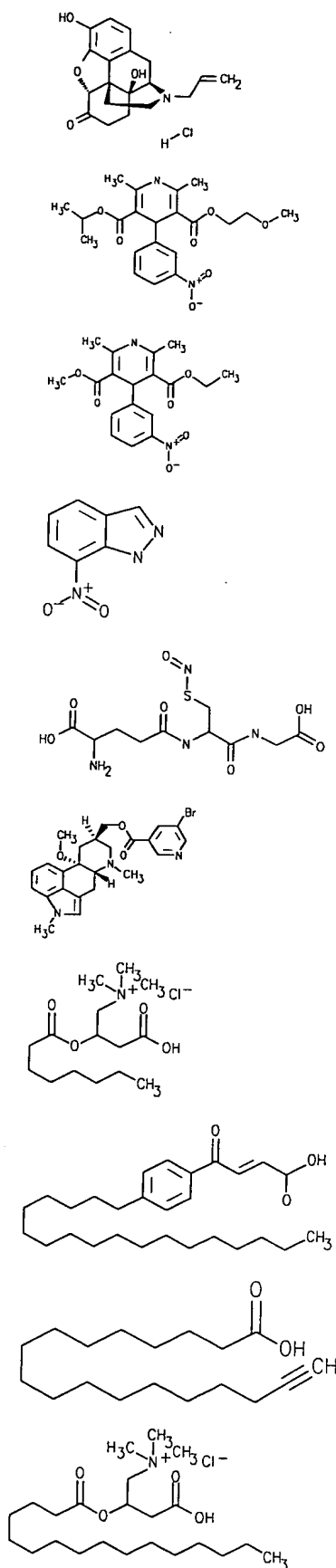


FIG. 17dd



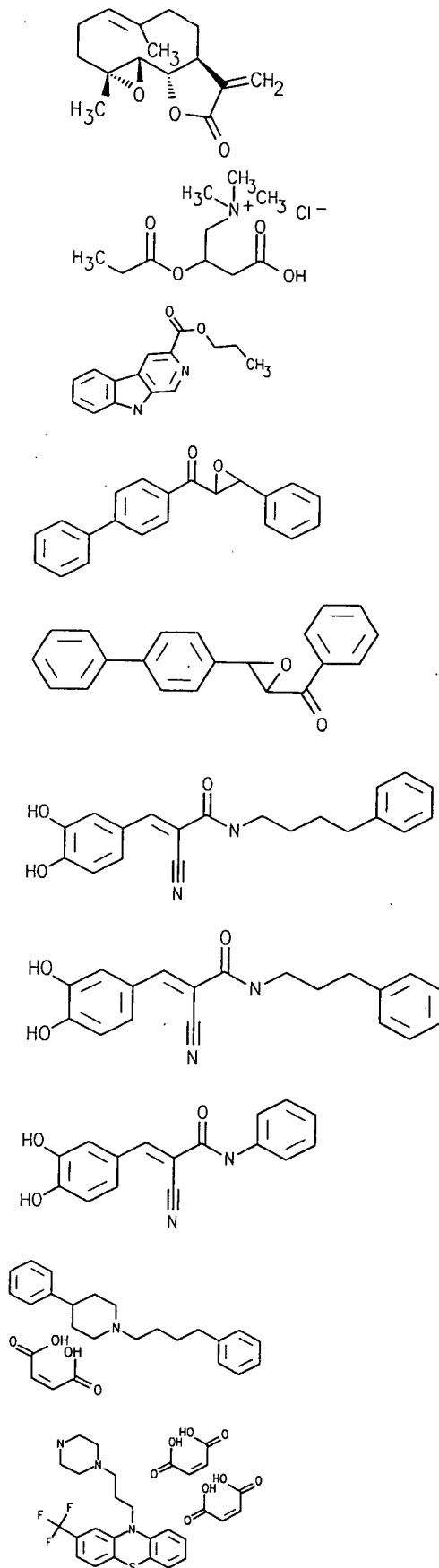


FIG. 17ee

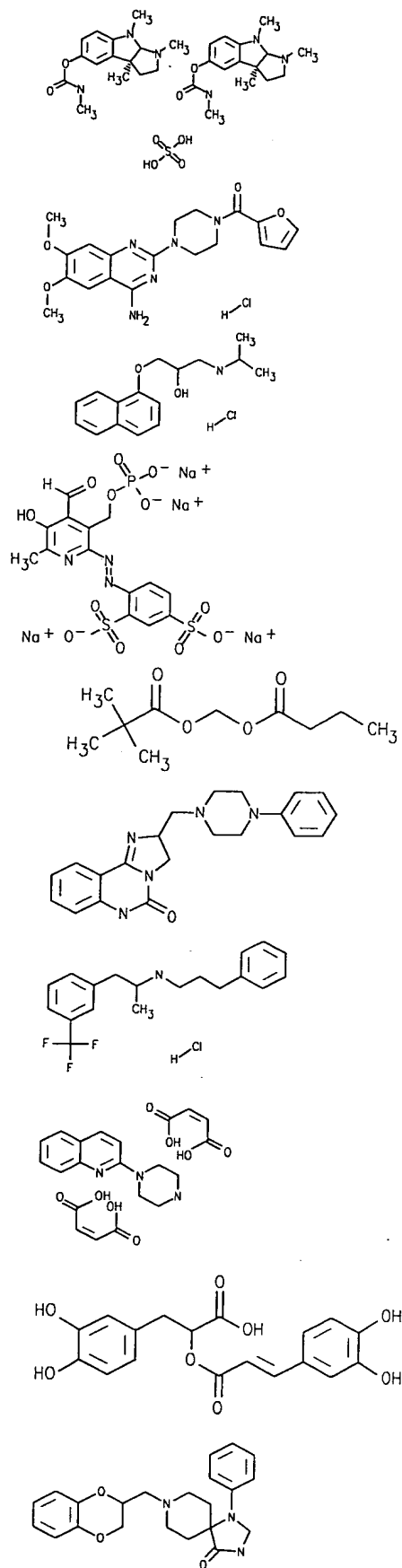


FIG. 17ff

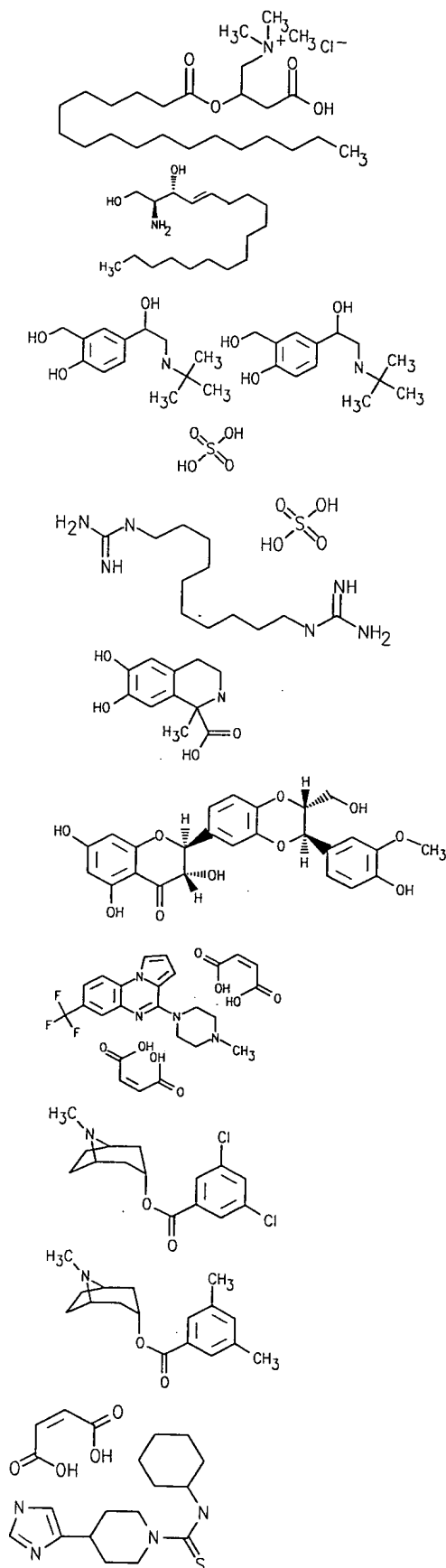


FIG. 17gg

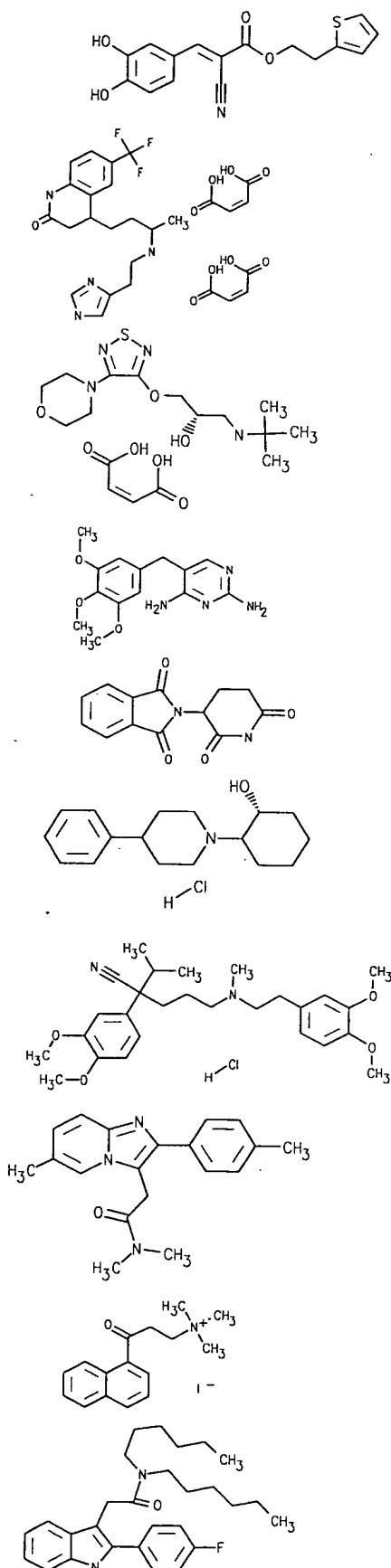


FIG. 17hh

Applicants: Köster *et al.* Customer No.: 24961  
Serial No.: Herewith Filed: January 16, 2004  
Our Docket No.: 24743-2309



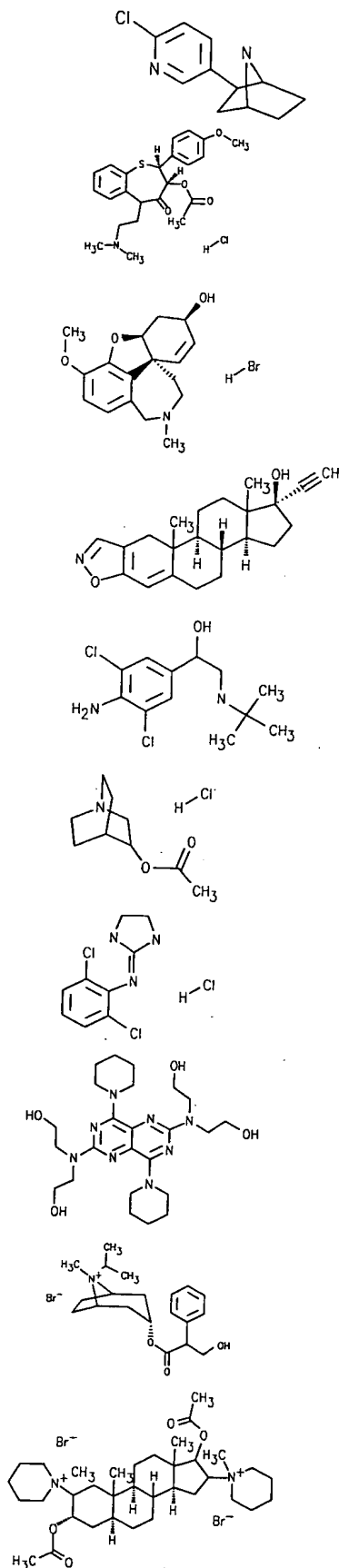


FIG. 17kk

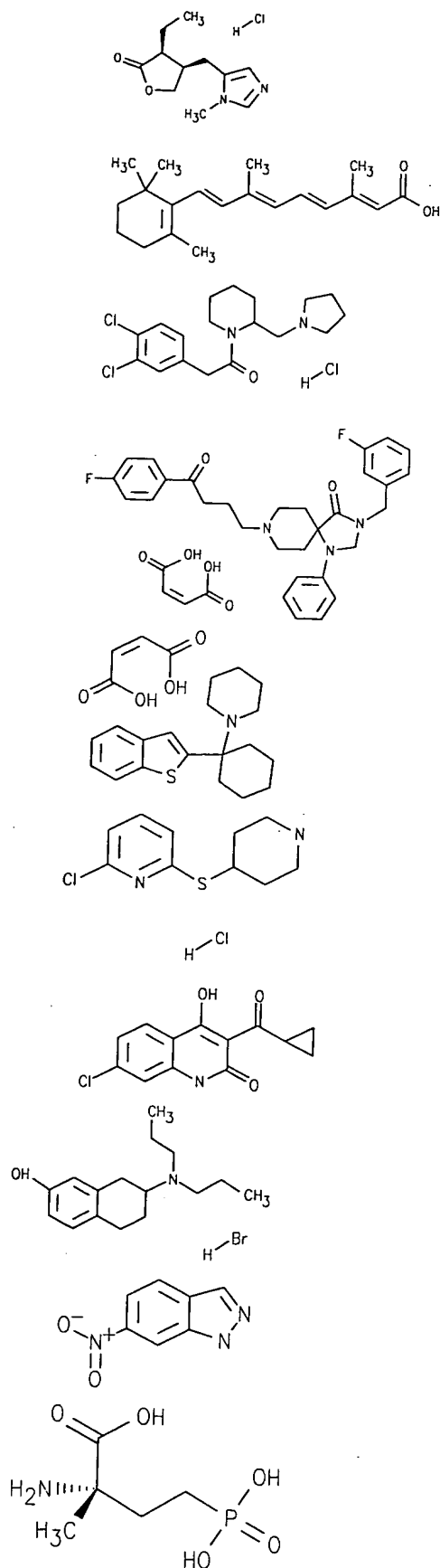


FIG. 17ll

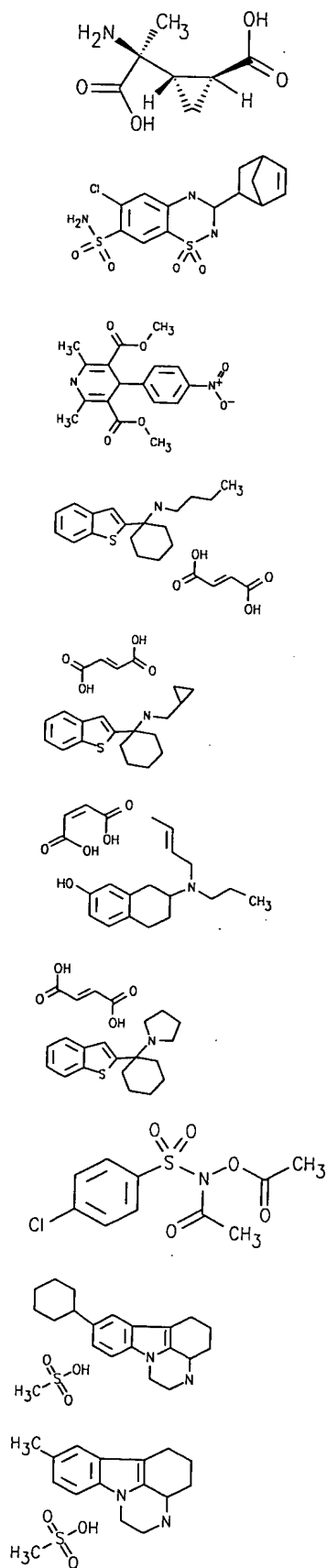


FIG. 17mm

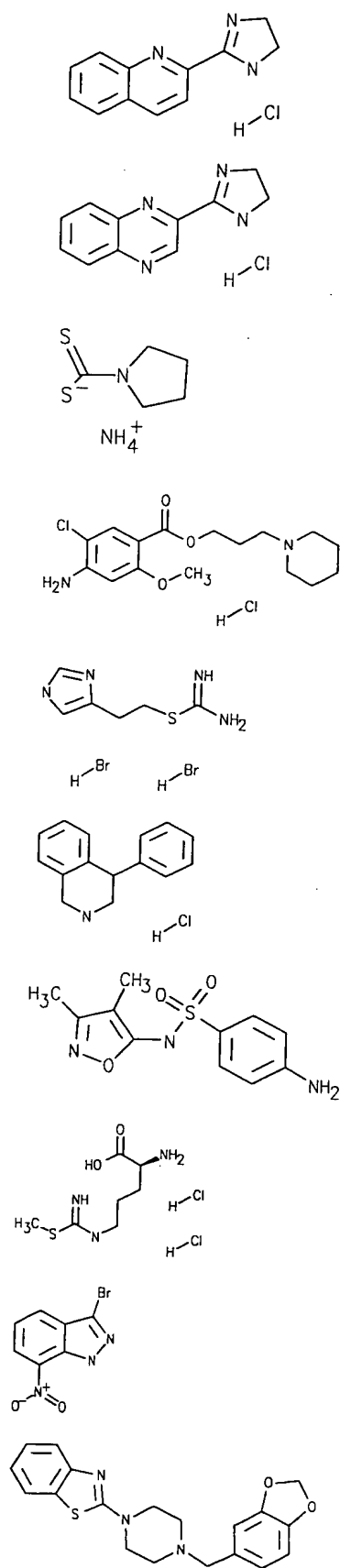


FIG. 17nn

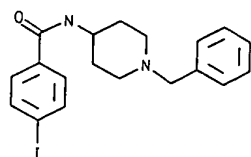
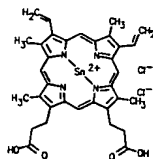
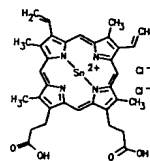
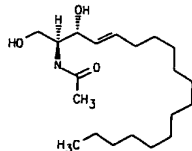
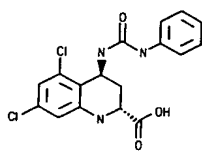
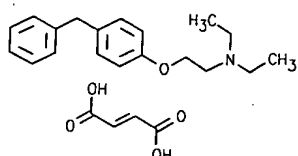
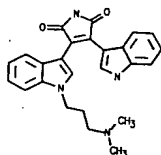
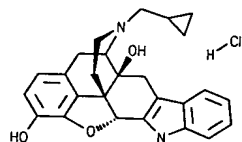
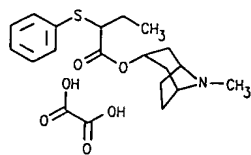
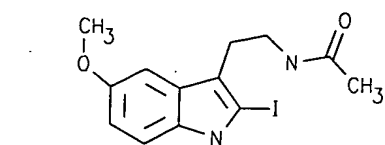


FIG. 17oo

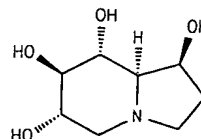
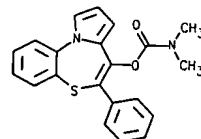
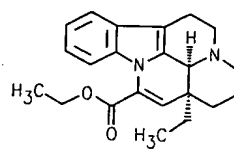
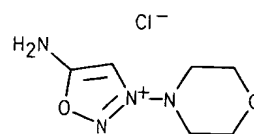
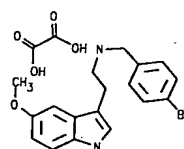
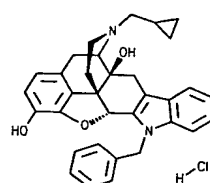
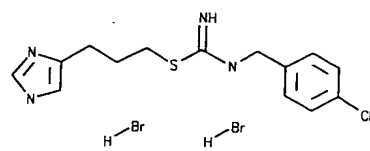
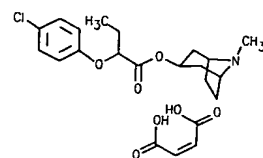
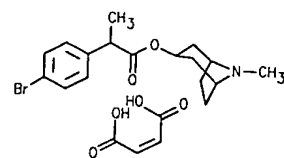
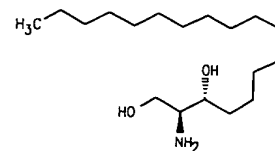


FIG. 17pp

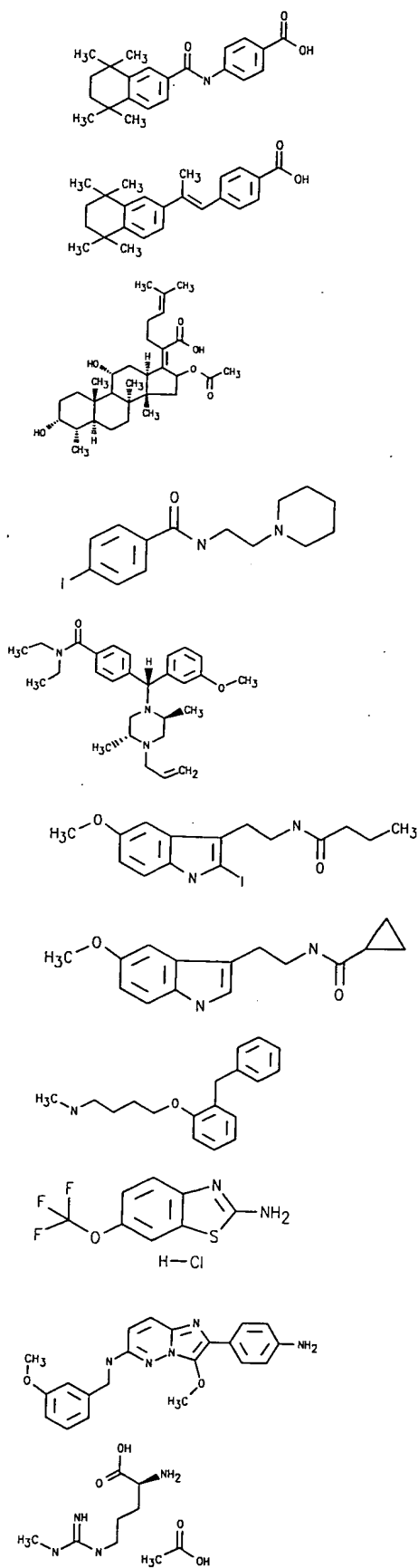


FIG. 17qq

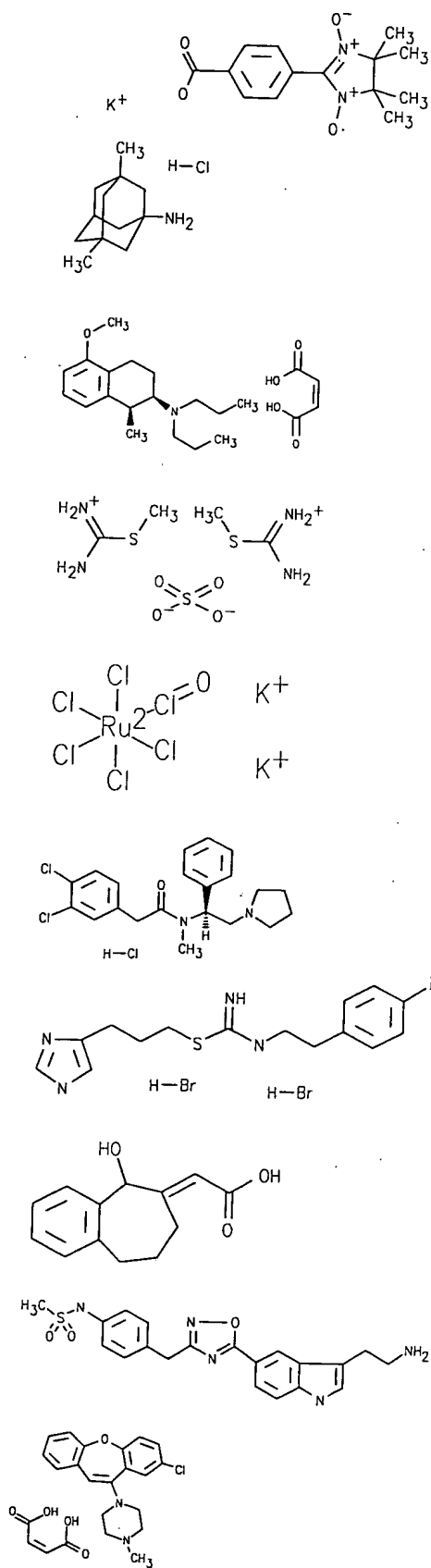


FIG. 17rr

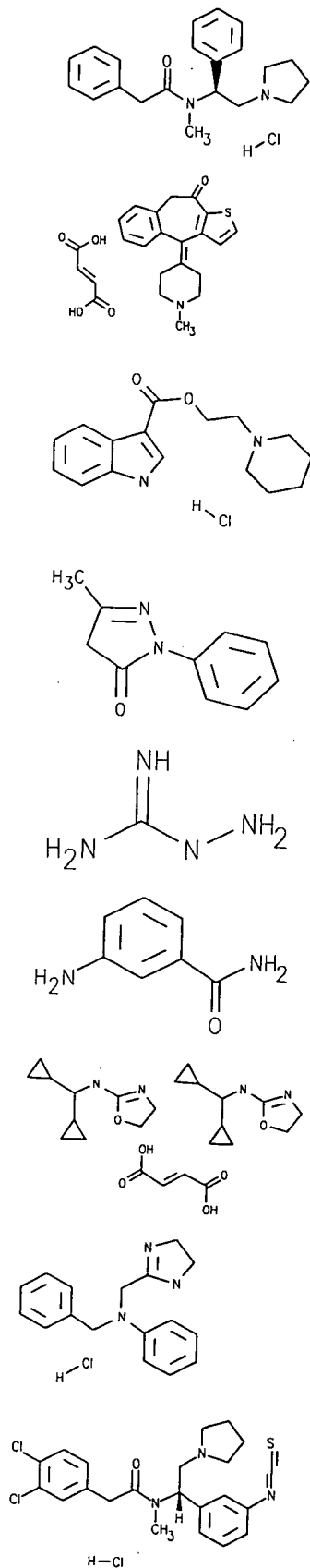


FIG. 17ss

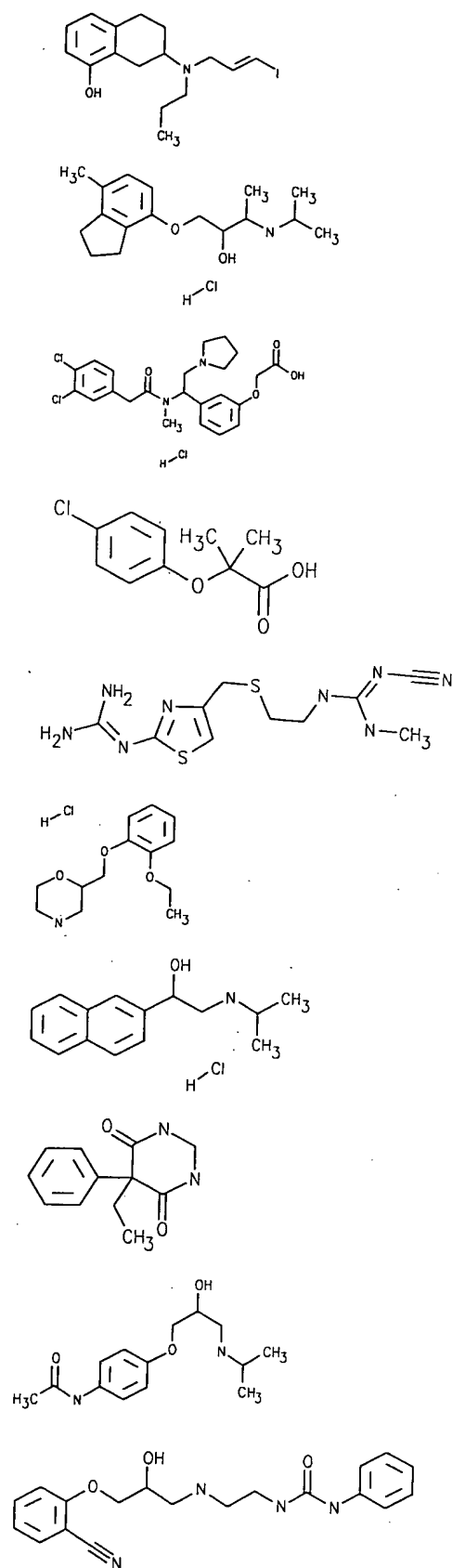


FIG. 17tt





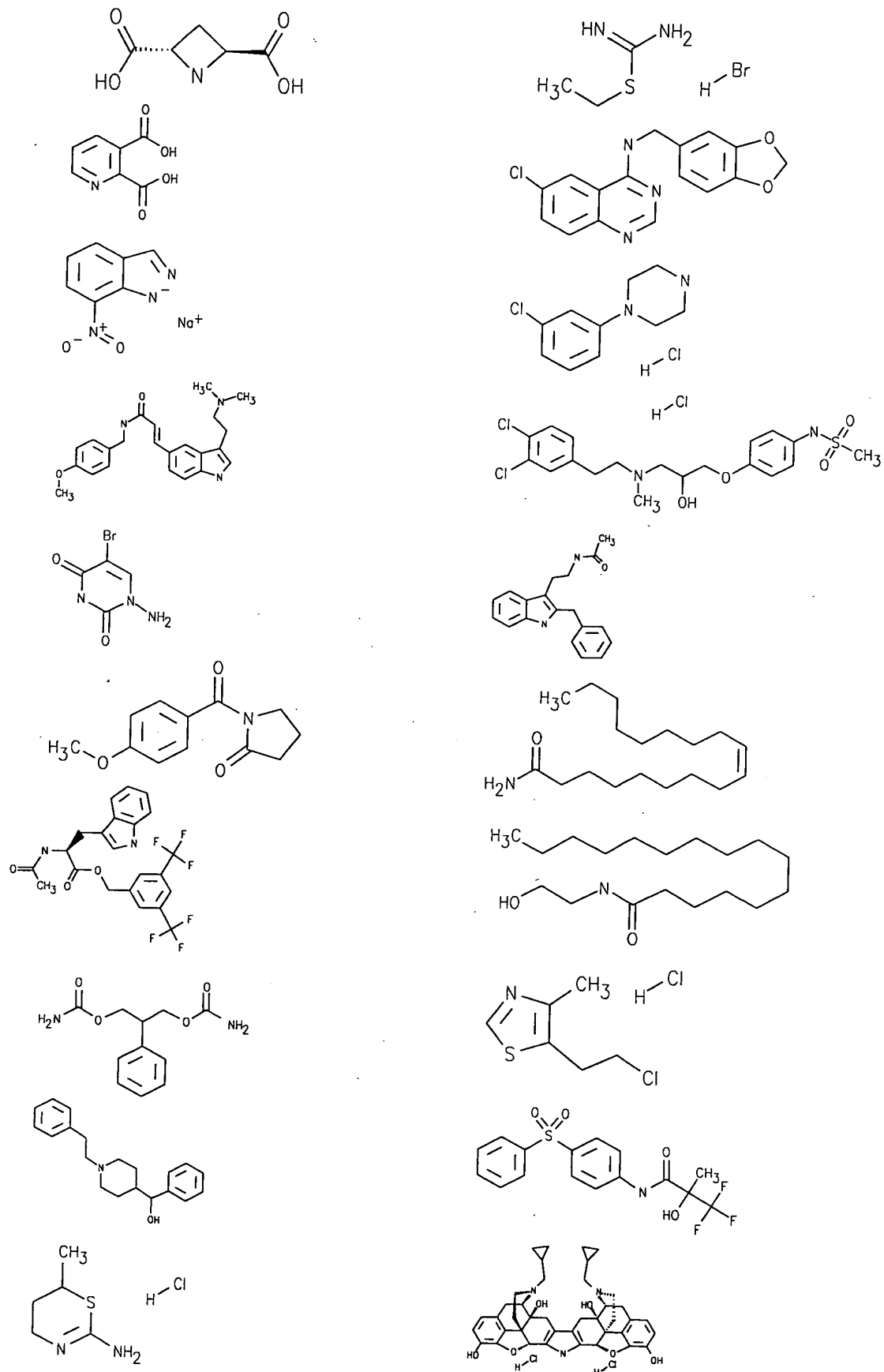


FIG. 17ww

FIG. 17xx

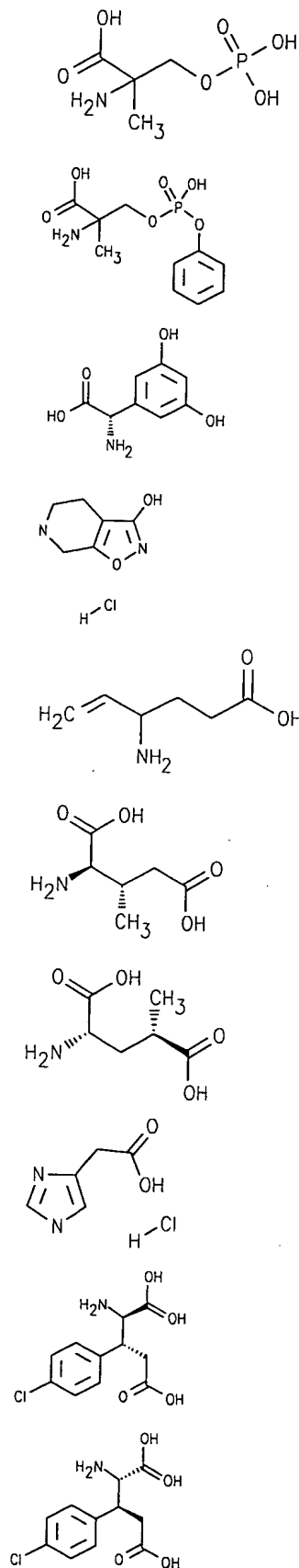


FIG. 17yy

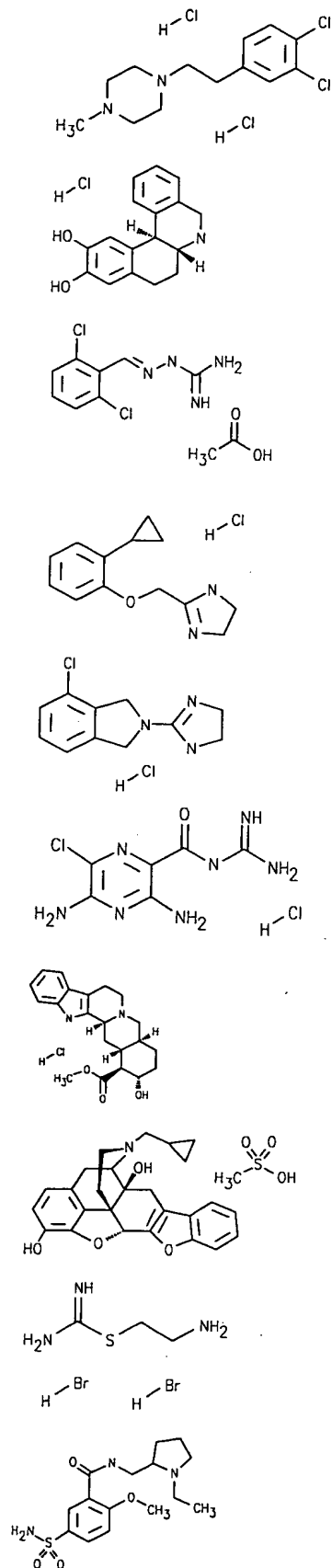


FIG. 17zz

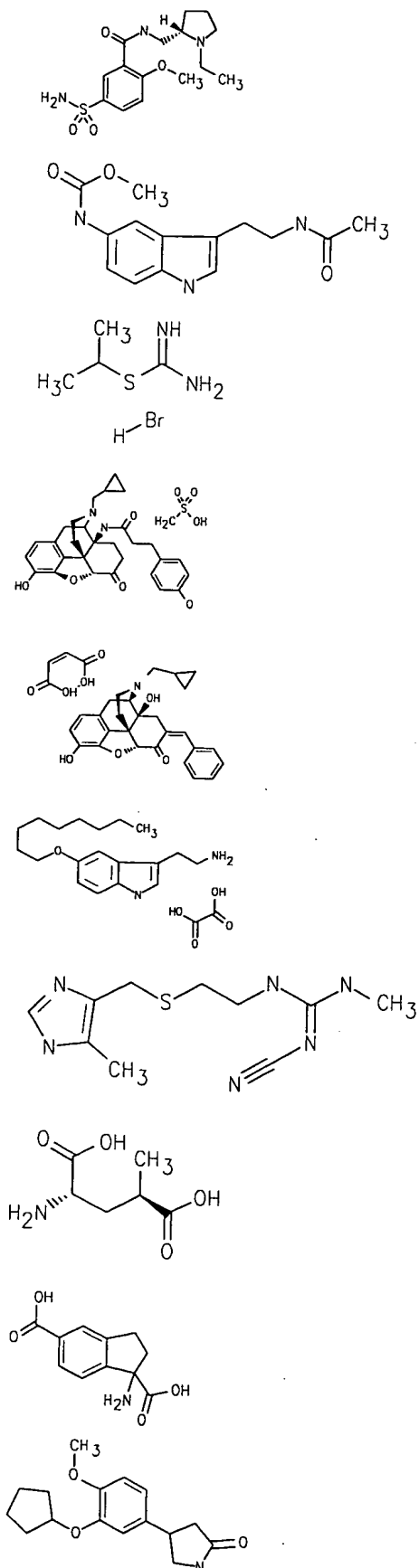


FIG. 17aaa

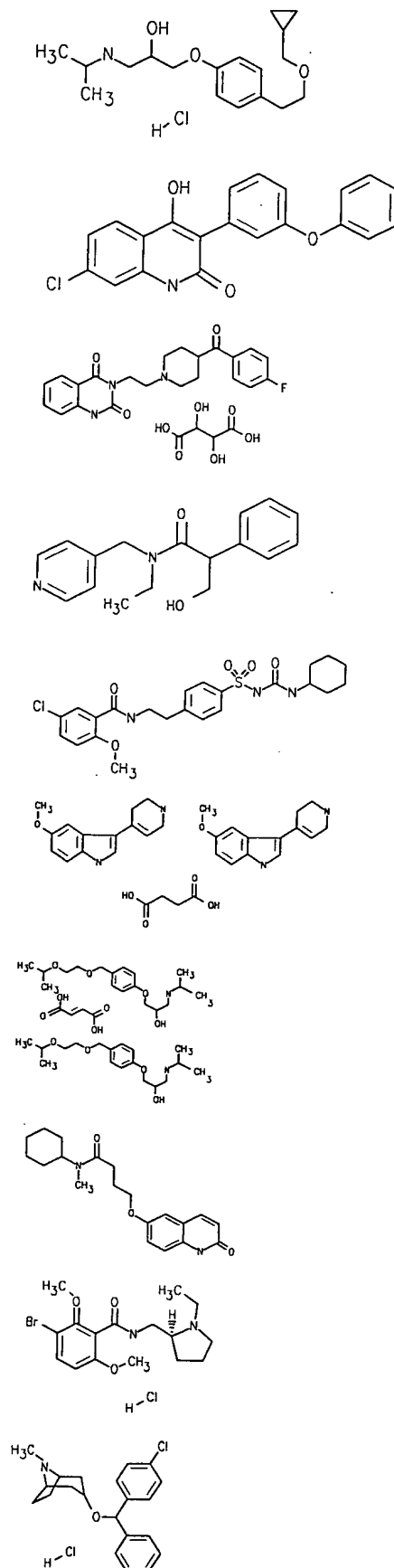


FIG. 17bbb

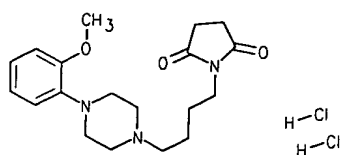
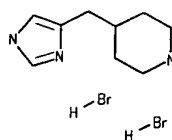
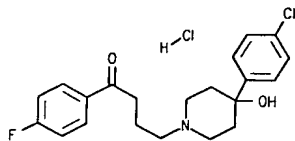
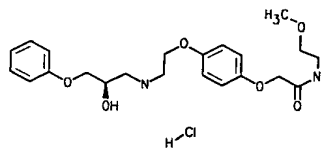
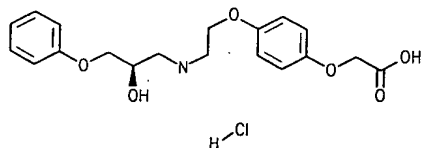
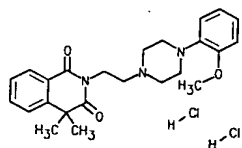
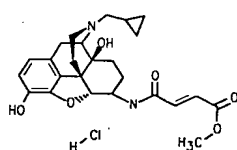
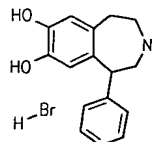
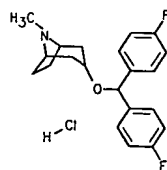


FIG. 17ccc

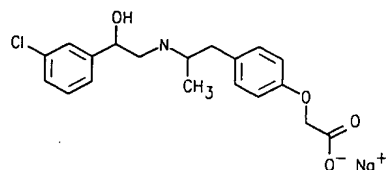
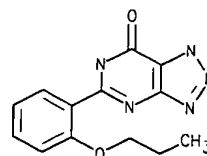
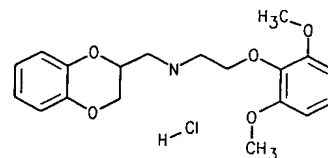
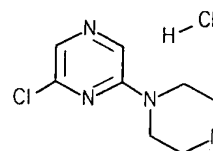
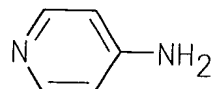
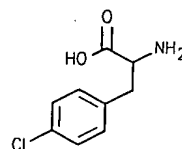
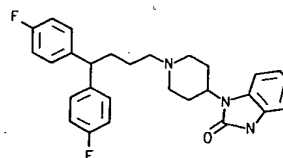
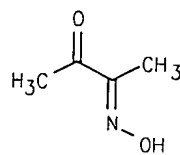
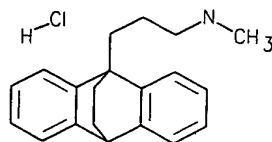
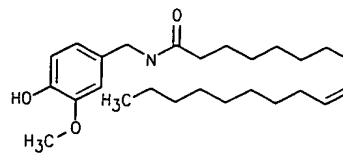


FIG. 17ddd

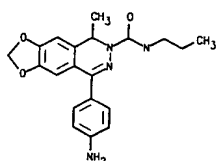
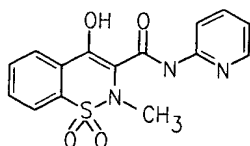
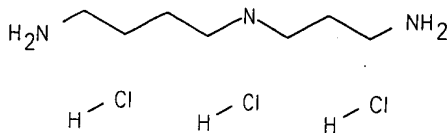
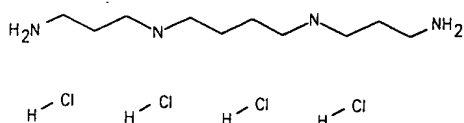
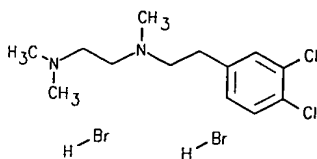
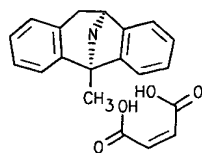
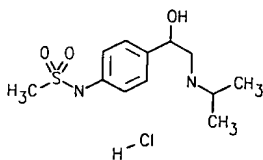
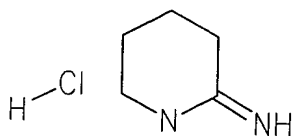
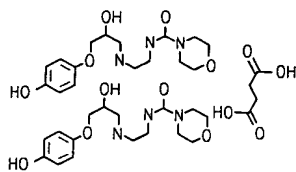
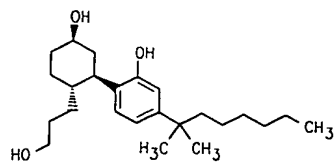


FIG. 17eee

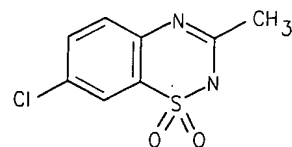
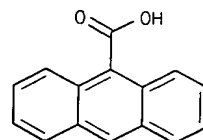
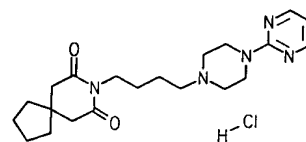
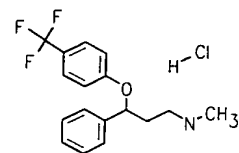
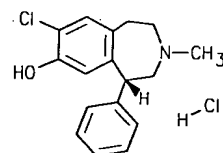
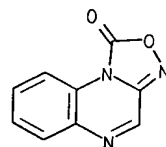
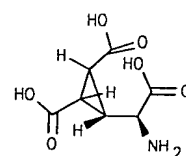
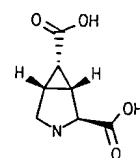
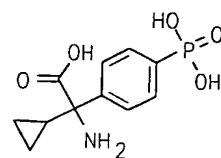
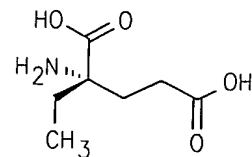


FIG. 17fff

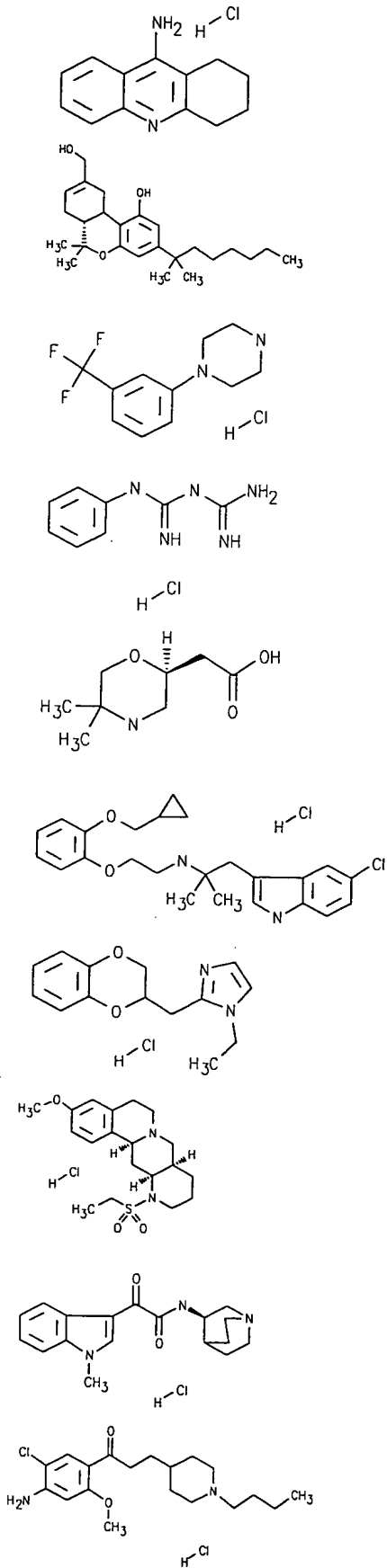


FIG. 17ggg

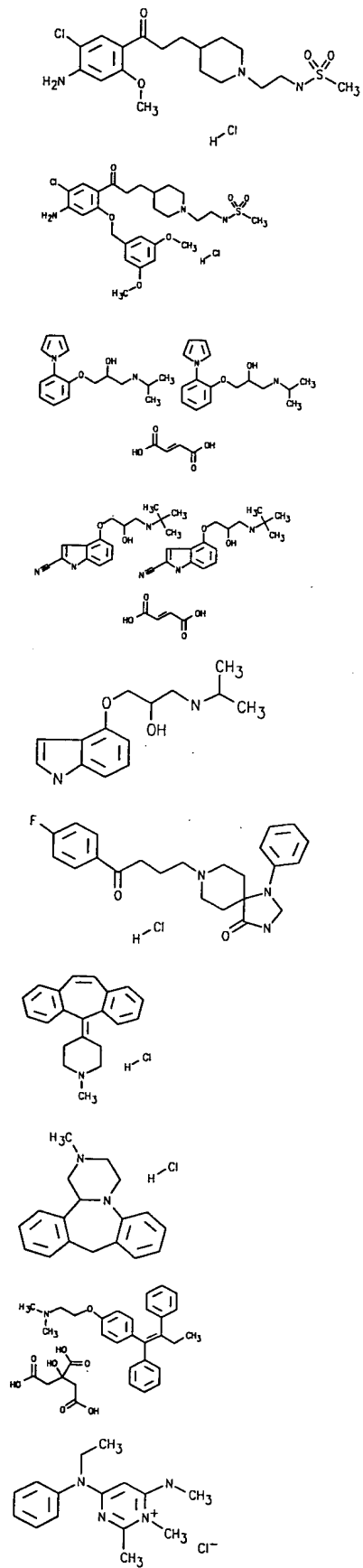


FIG. 17hhh

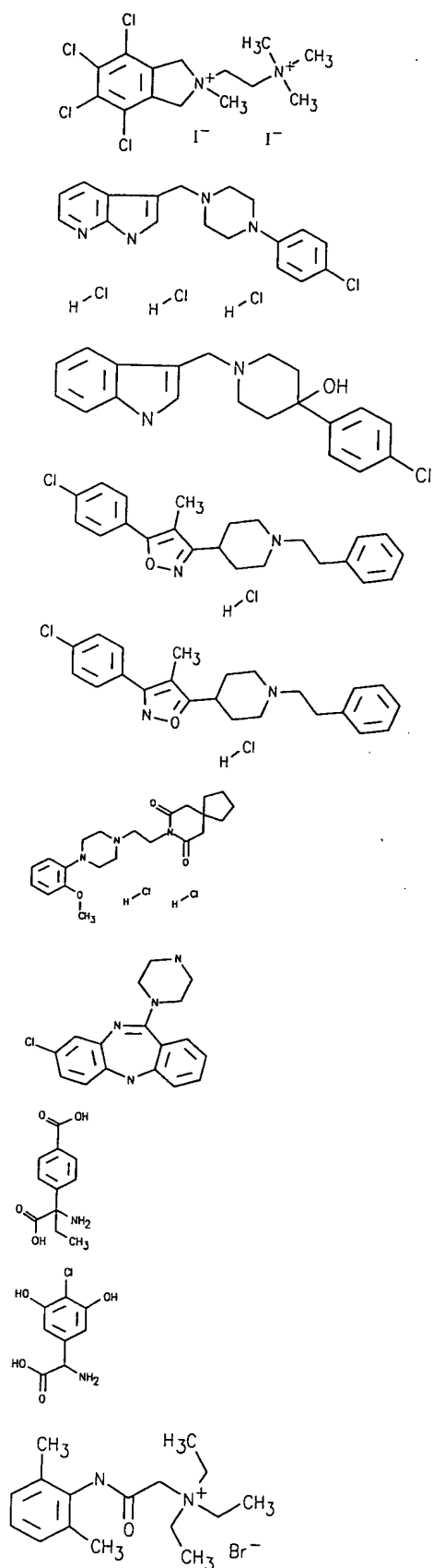


FIG. 17iii

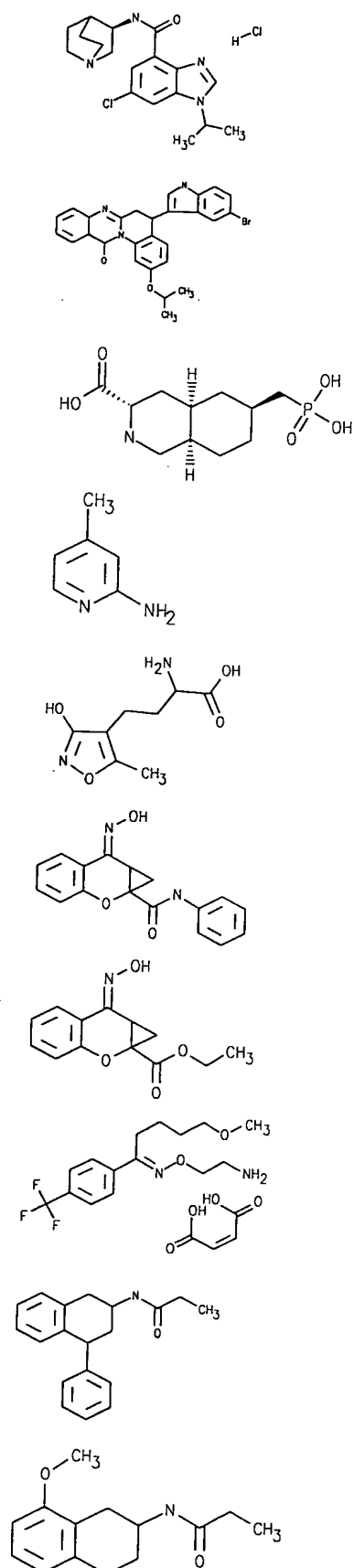
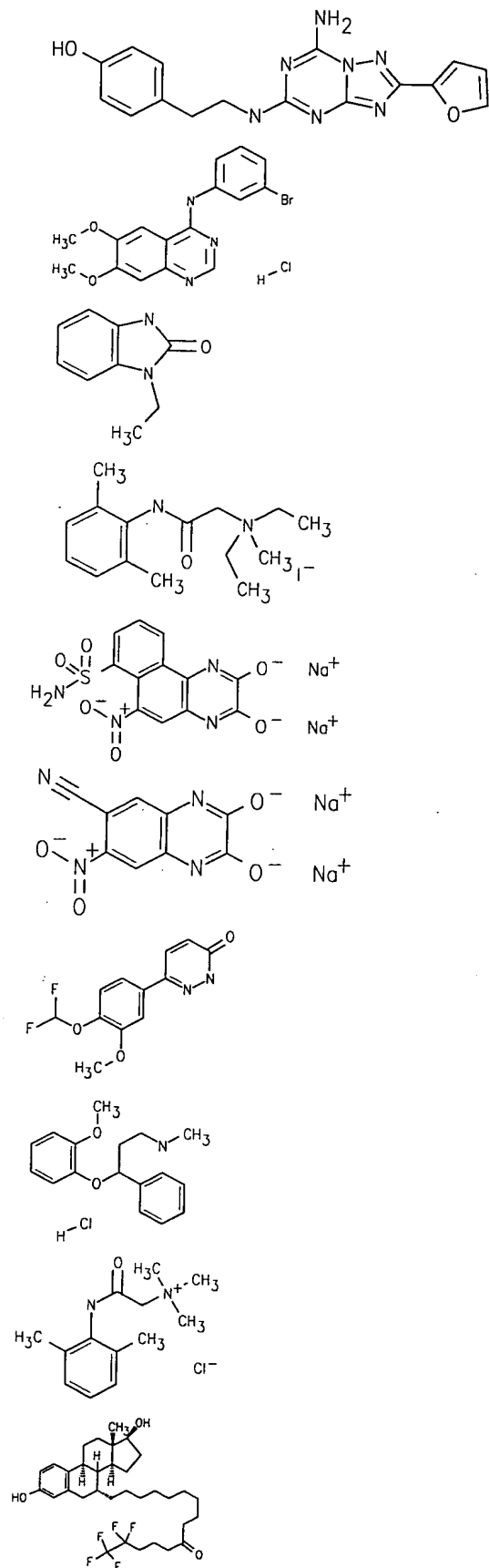


FIG. 17jjj





**FIG. 17kkk**

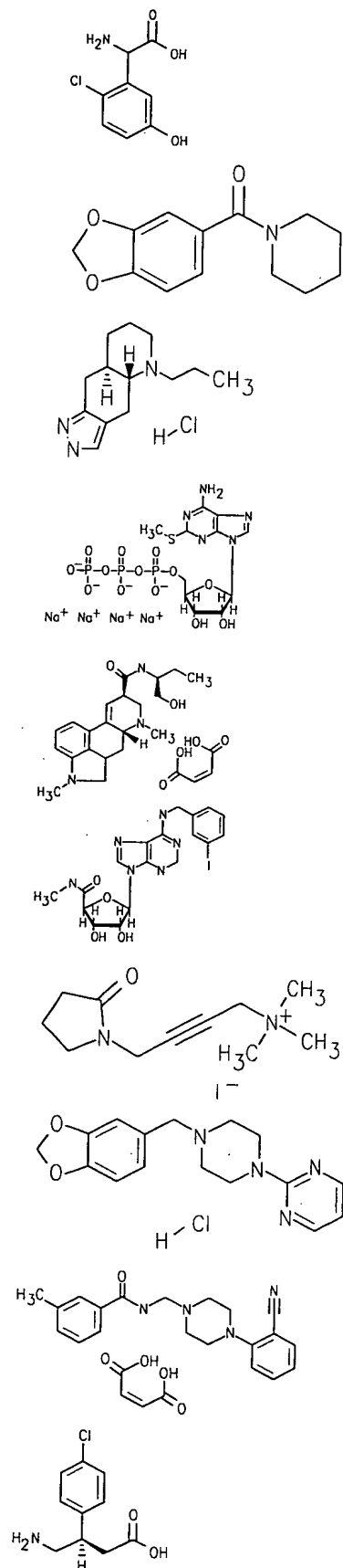


FIG. 17III

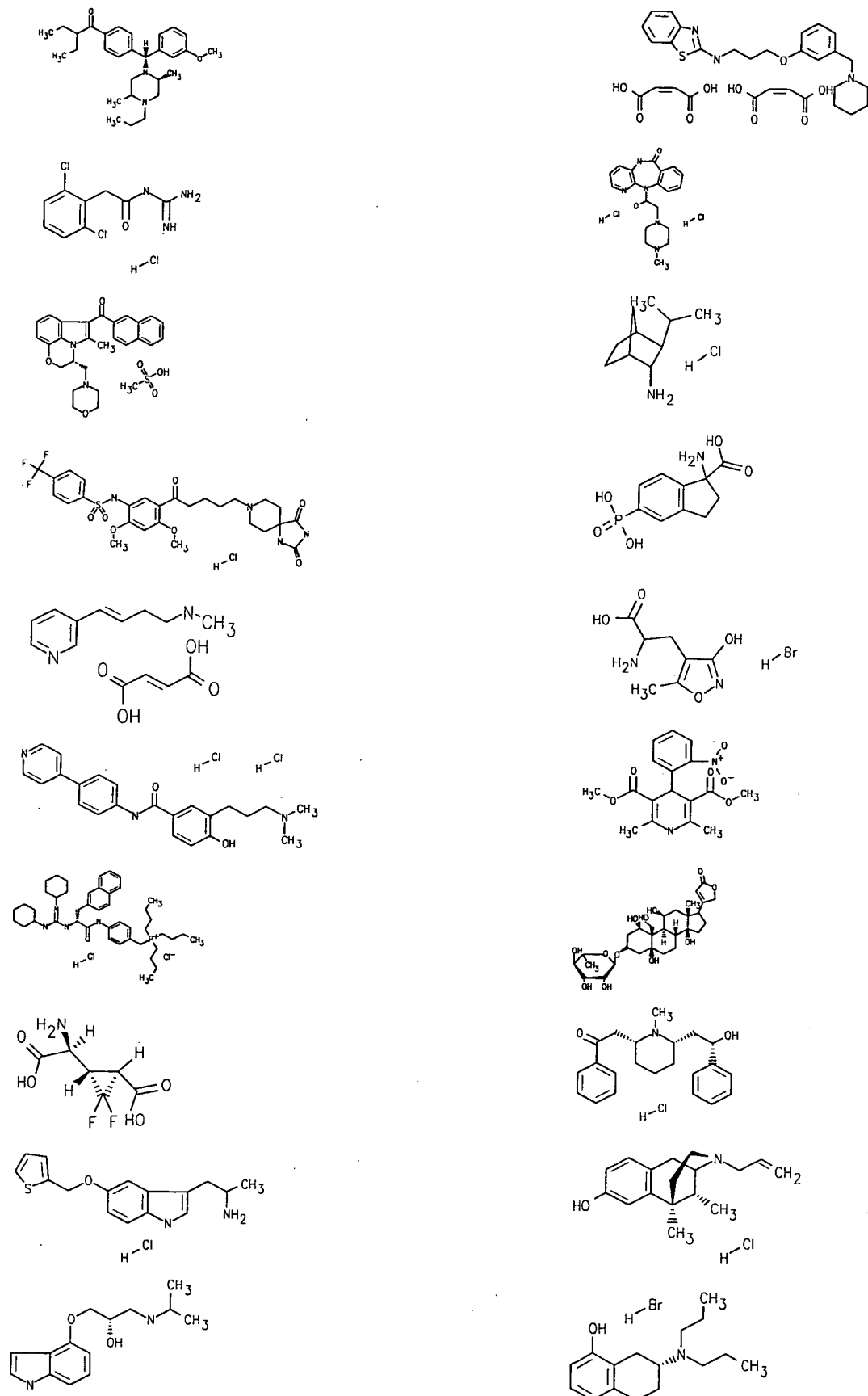


FIG. 17mm

FIG. 17nnn

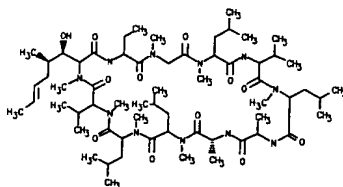
COc1ccccc1N2CCN(CCCNC(=O)c3ccc(cc3)-c4ccc(cc4)C=C)c2

FIG. 17ppp

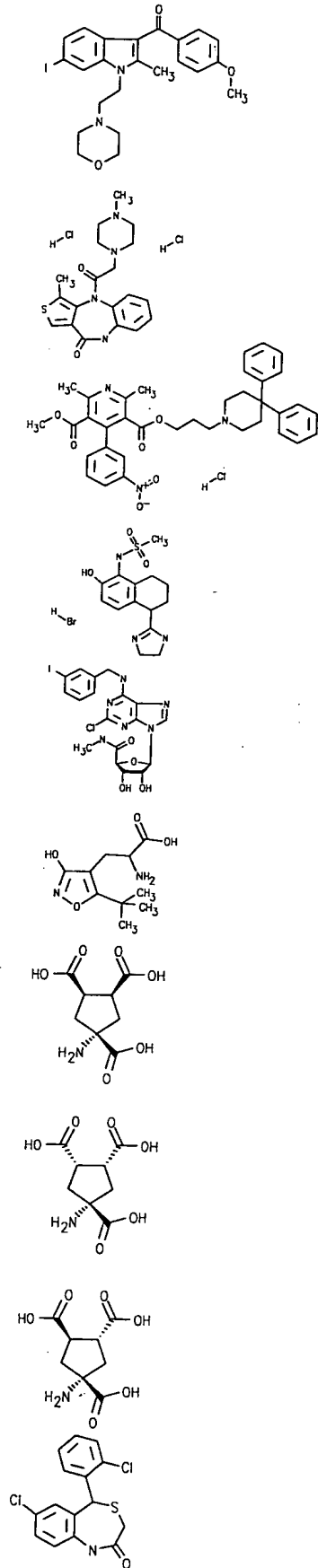


FIG. 17qqq

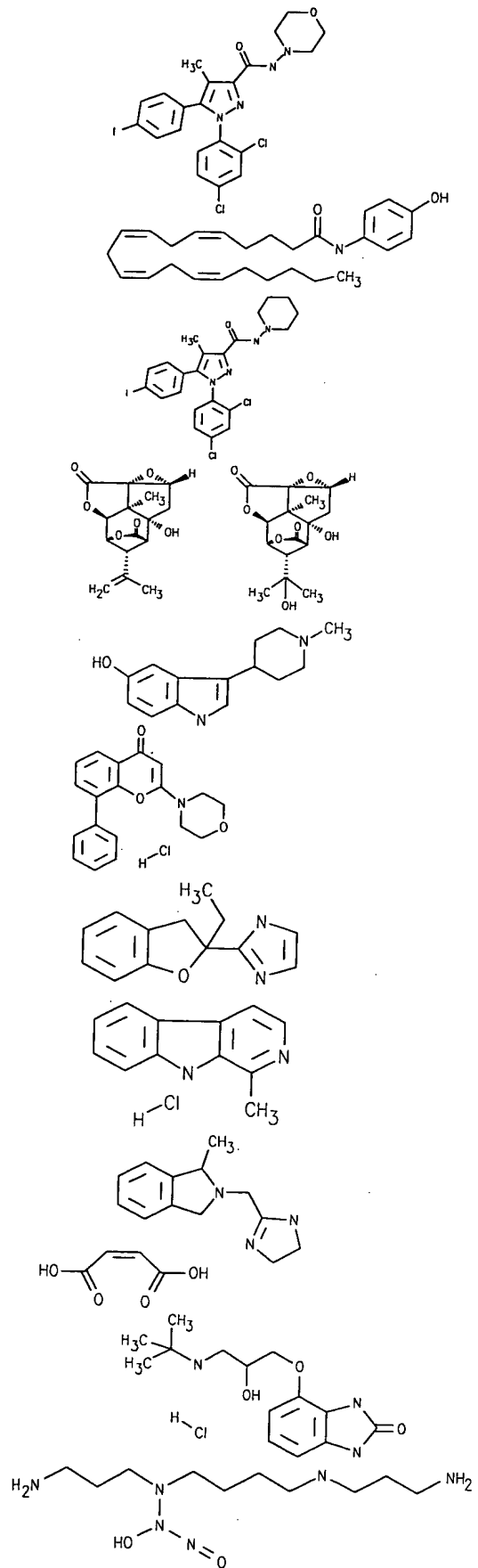


FIG. 17rrr

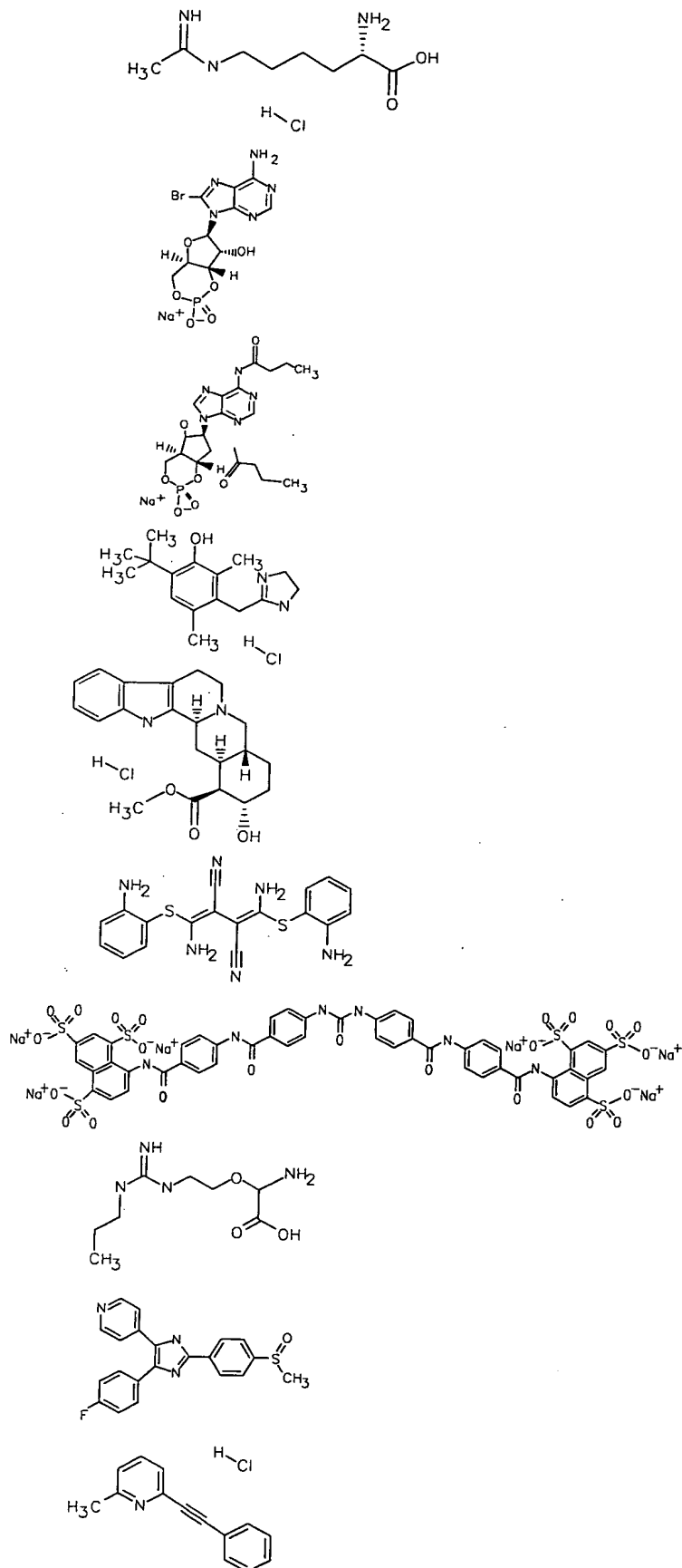


FIG. 17sss

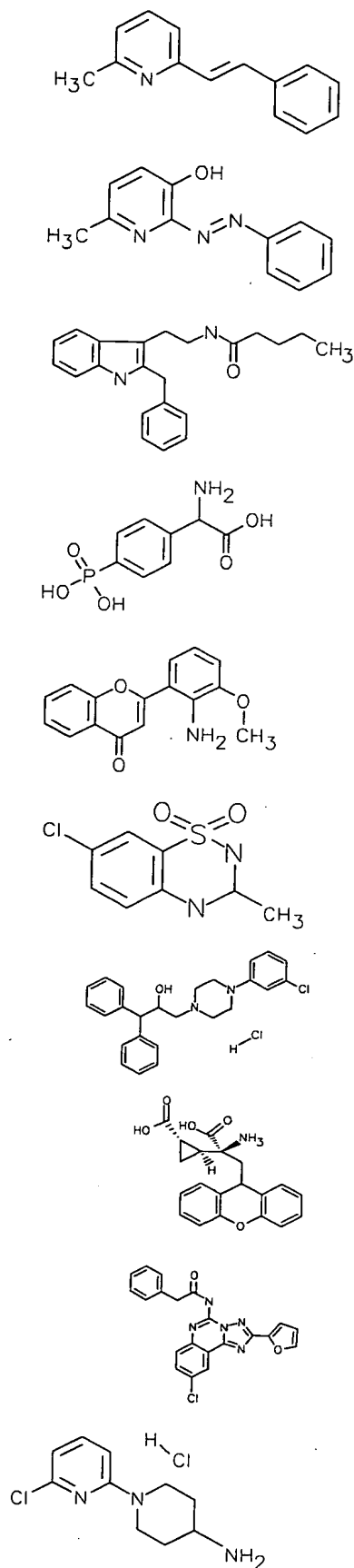


FIG. 17ttt

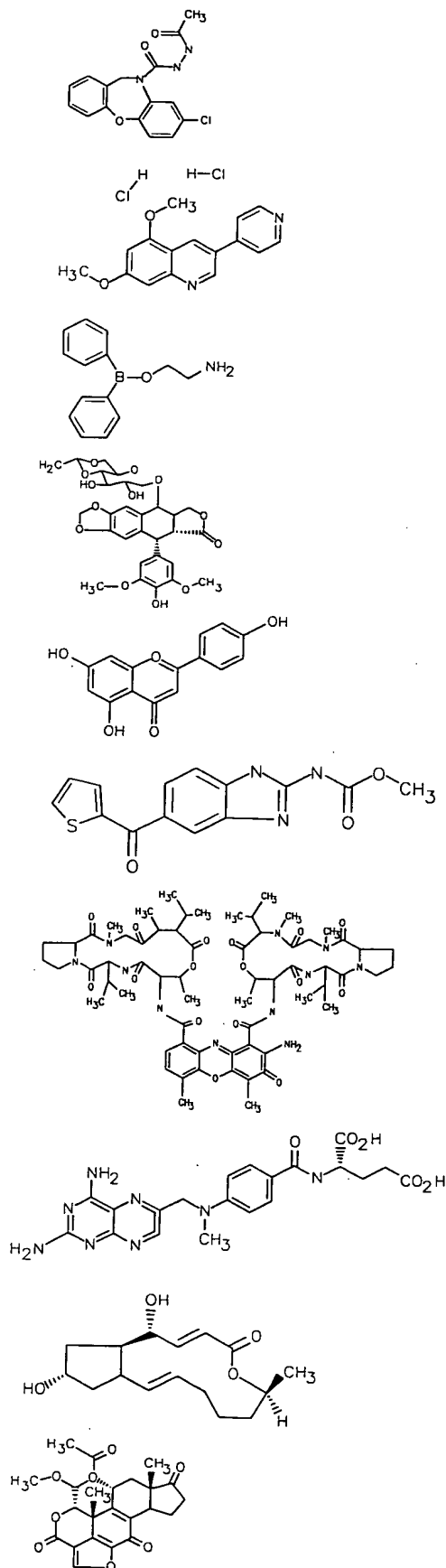


FIG. 17uuu

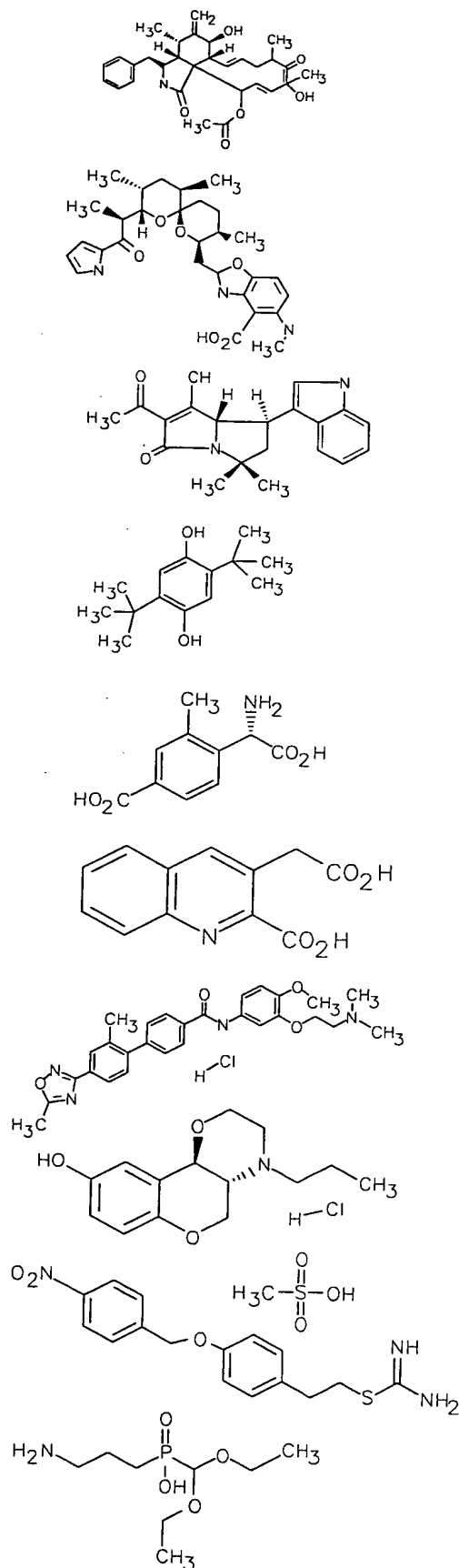


FIG. 17vvv

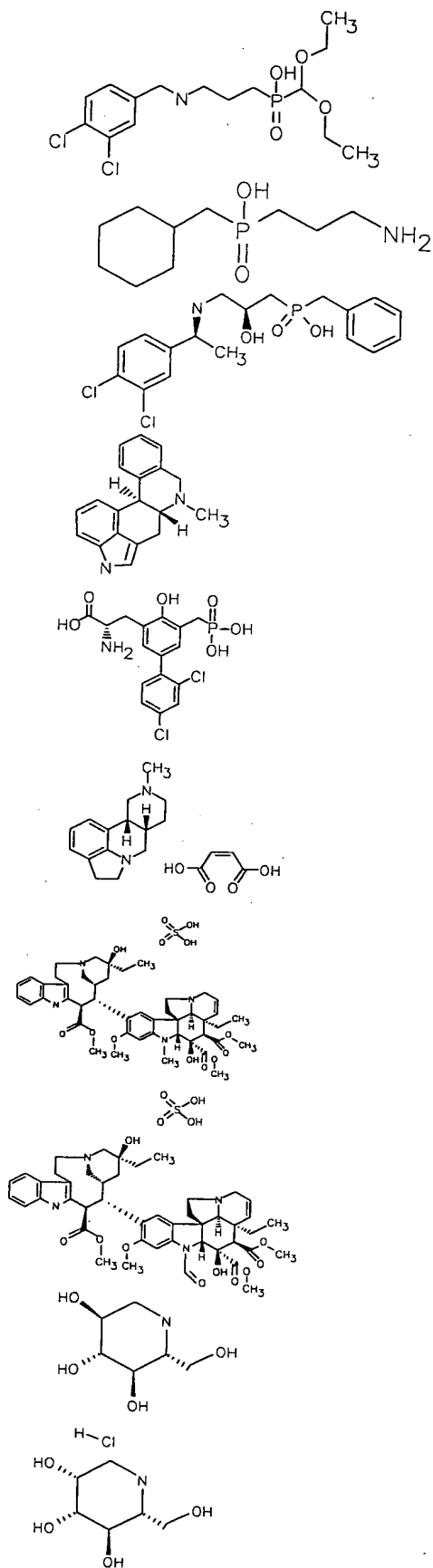


FIG. 17www

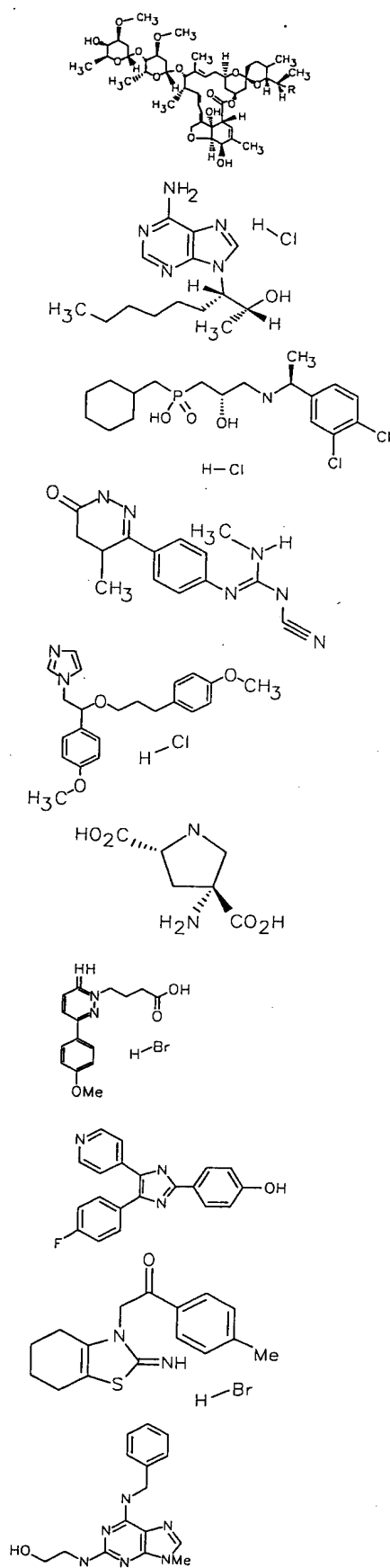


FIG. 17xxx

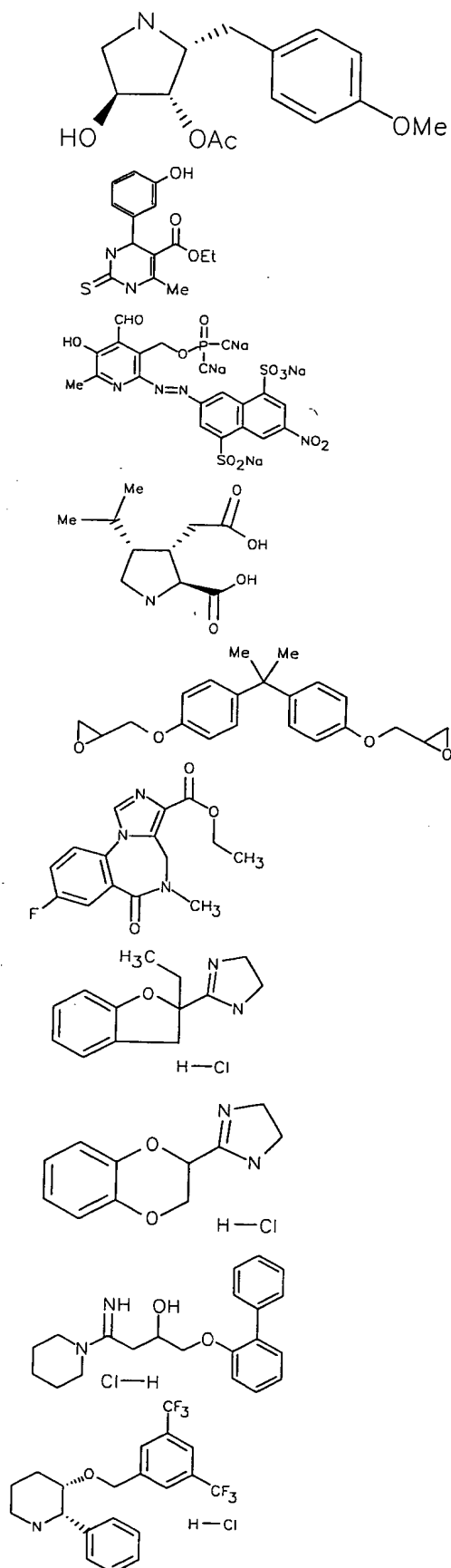


FIG. 17yyy

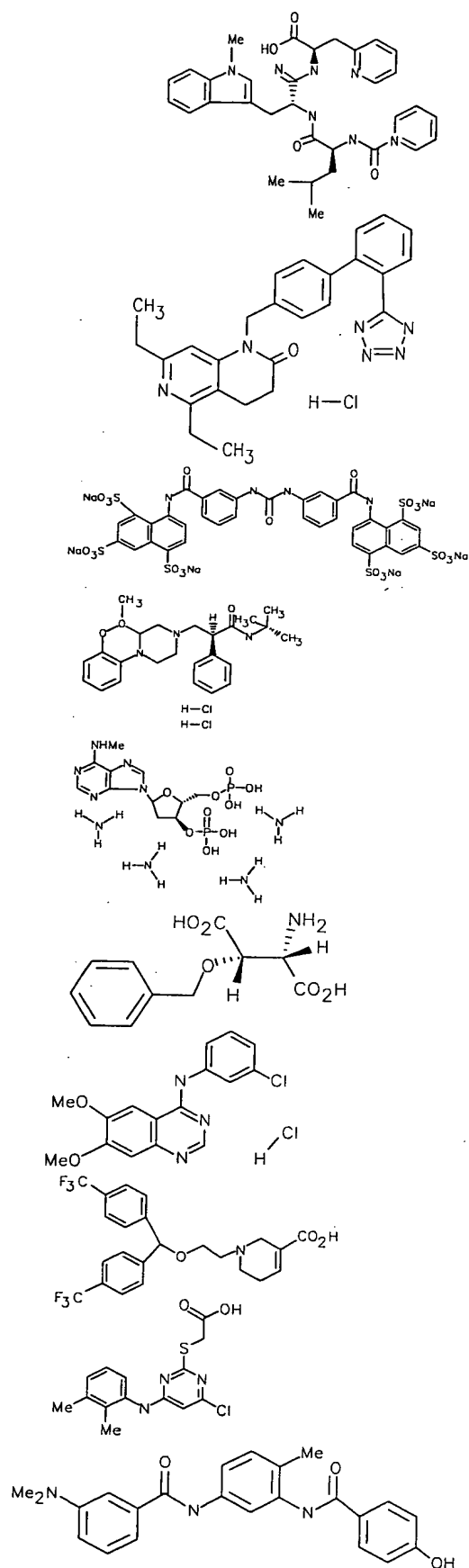


FIG. 17zzz



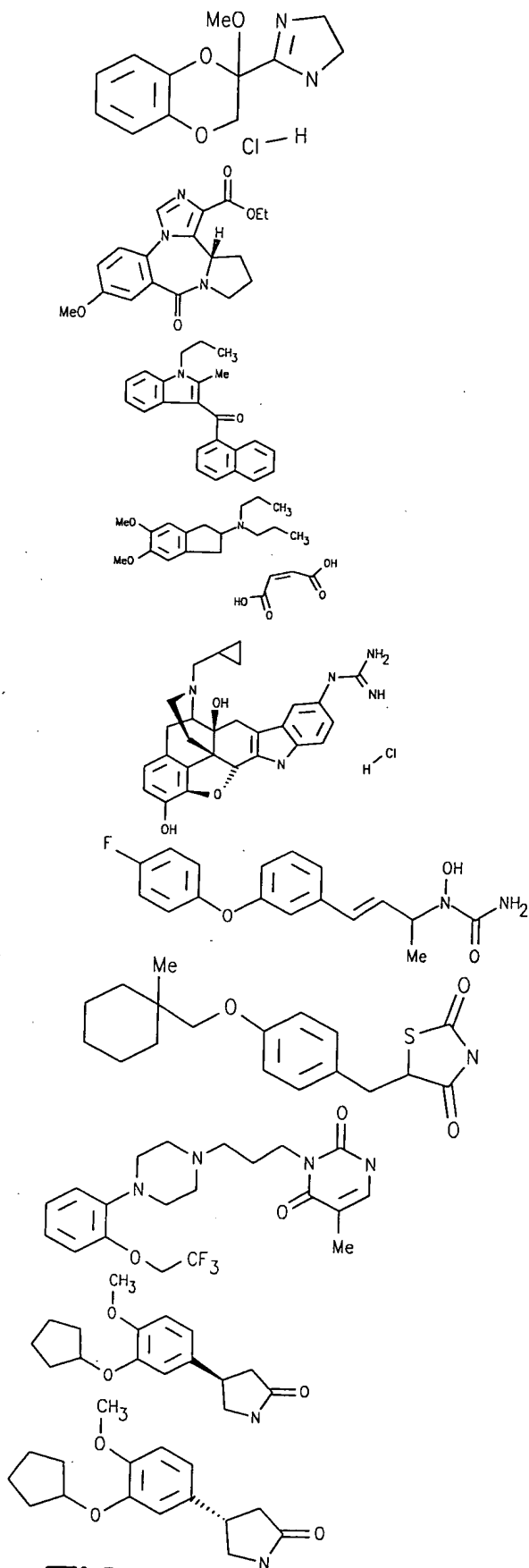


FIG. 17aaaa

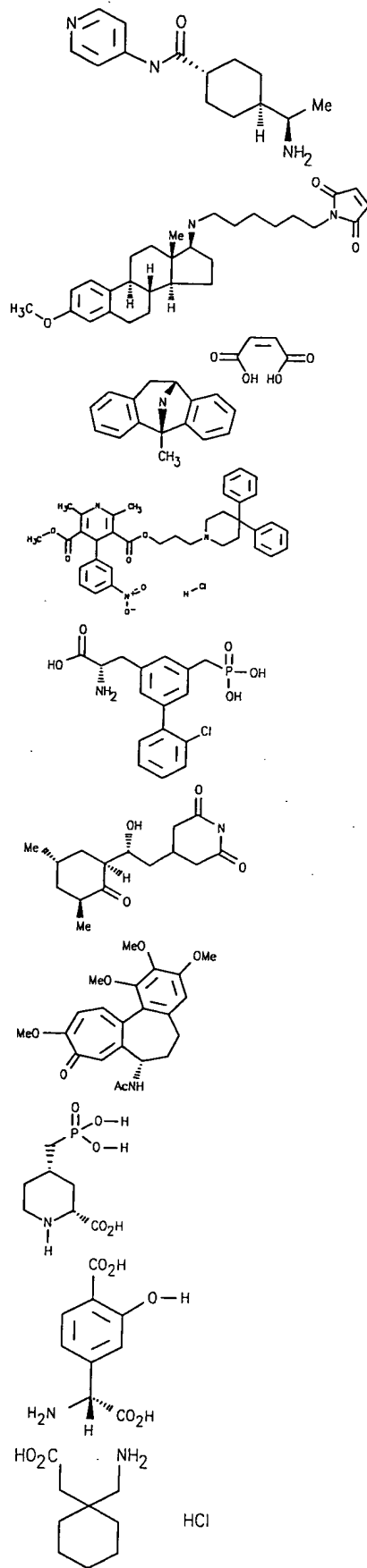


FIG. 17bbbb

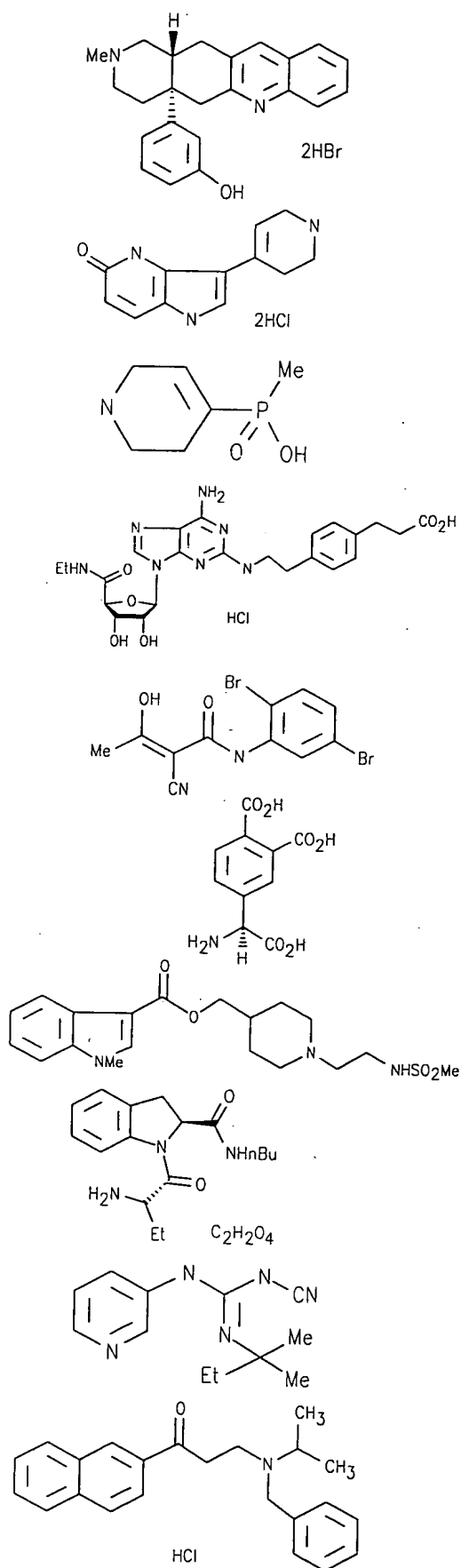


FIG. 17cccc

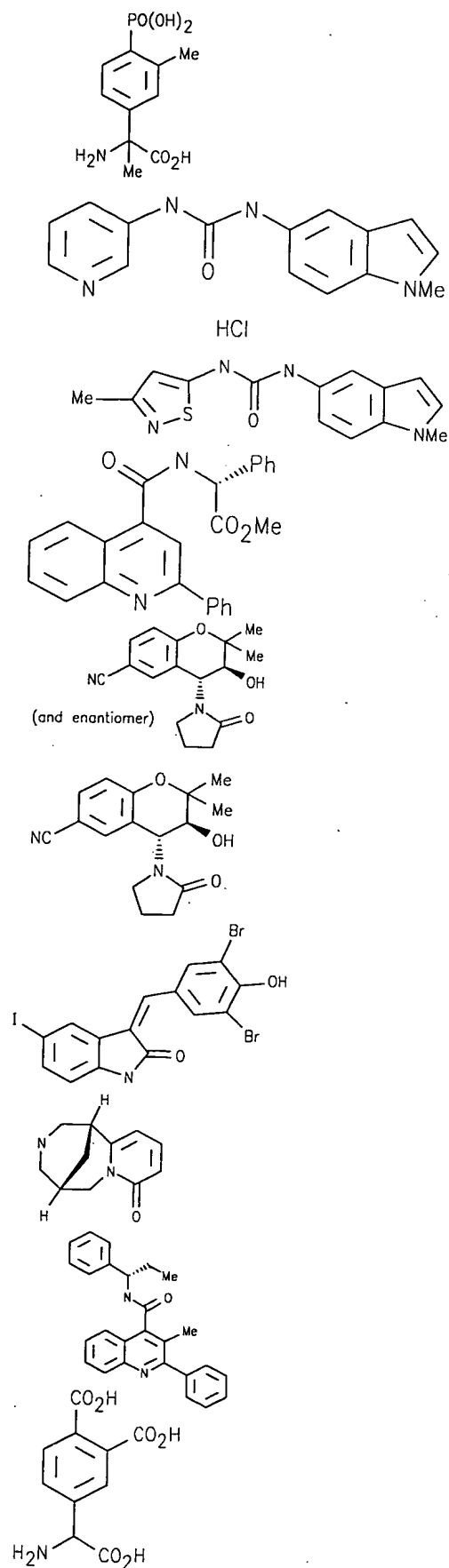


FIG. 17dddd



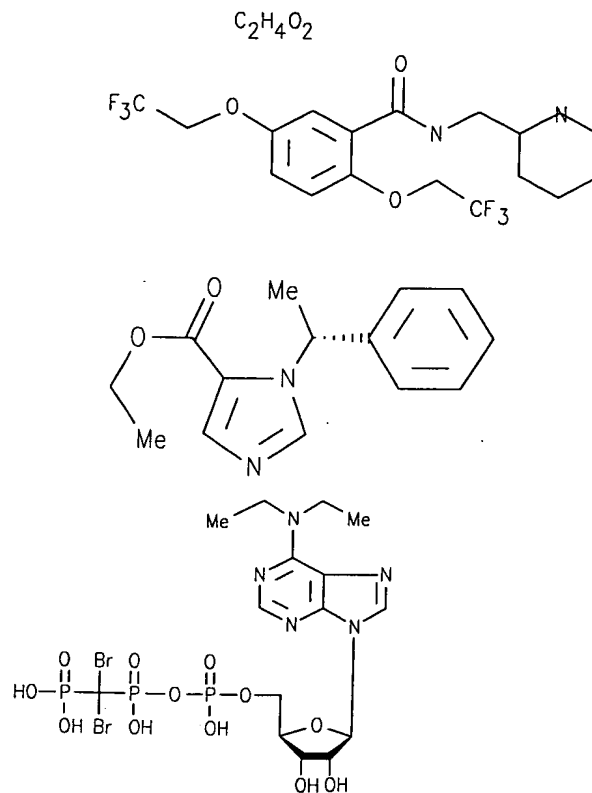


FIG. 17gggg

PEPTIDES AND ANTIBODIES PROBES FOR CENTRAL NERVOUS  
SYSTEM DISEASES

$\beta$ -Amyloid Precursor Protein  
 $\beta$ -Secretase Inhibitor III  
 $\gamma$ -Secretase Inhibitor XII  
 $(\pm)$ -Ibuprofen  
 $(S)$ - $(+)$ -Ibuprofen  
 Anti- $\beta$ -Amyloid(1-43)  
 Anti-BACE1, C-Terminal(485-501)  
 Anti-Nicastrin, C-Terminal  
 Anti-Nicastrin, N-Terminal  
 Anti-Reelin

PEPTIDES FOR ANGIOGENESIS

MT1-MMp Hemopexin Domain, His-Tag®, Human, Recombinant  
 MT2-MMp Hemopexin Domain, His-Tag®, Human, Recombinant  
 VEGF Inhibitor

FIG. 17hhhh

# Points for Regulation of Various Metabolic Control Mechanisms

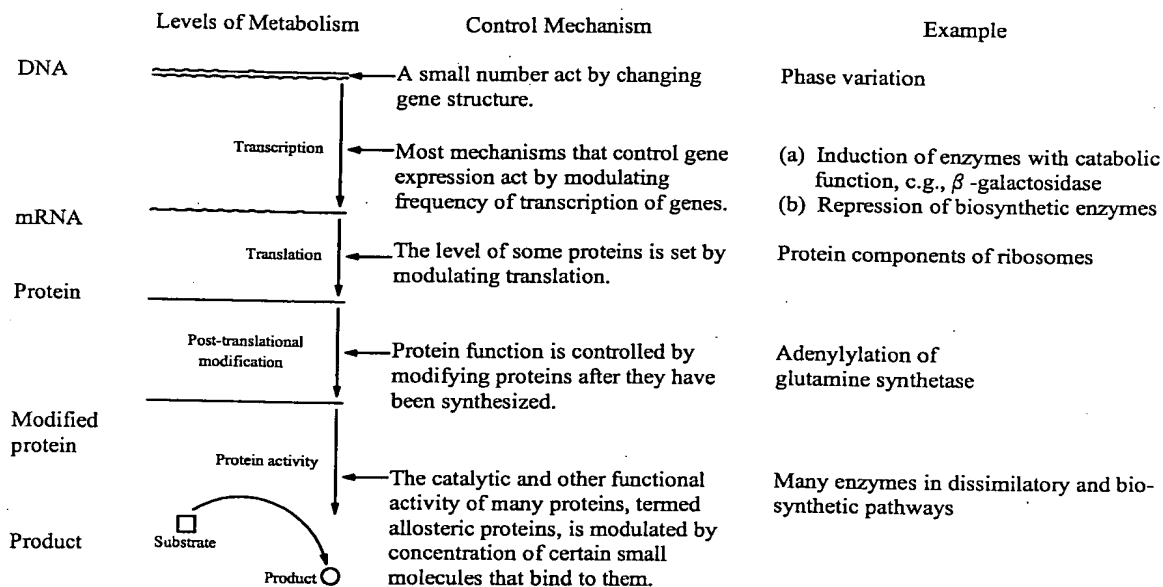
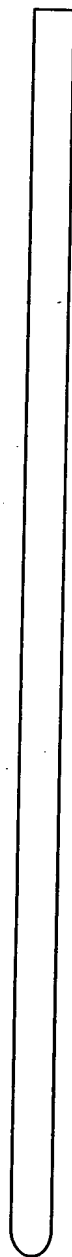


FIG. 18

# From Tissue to Cellular Target



Multiple separations from a single patient  
(Cytomation MoFlo High Speed Flow Cytometry)

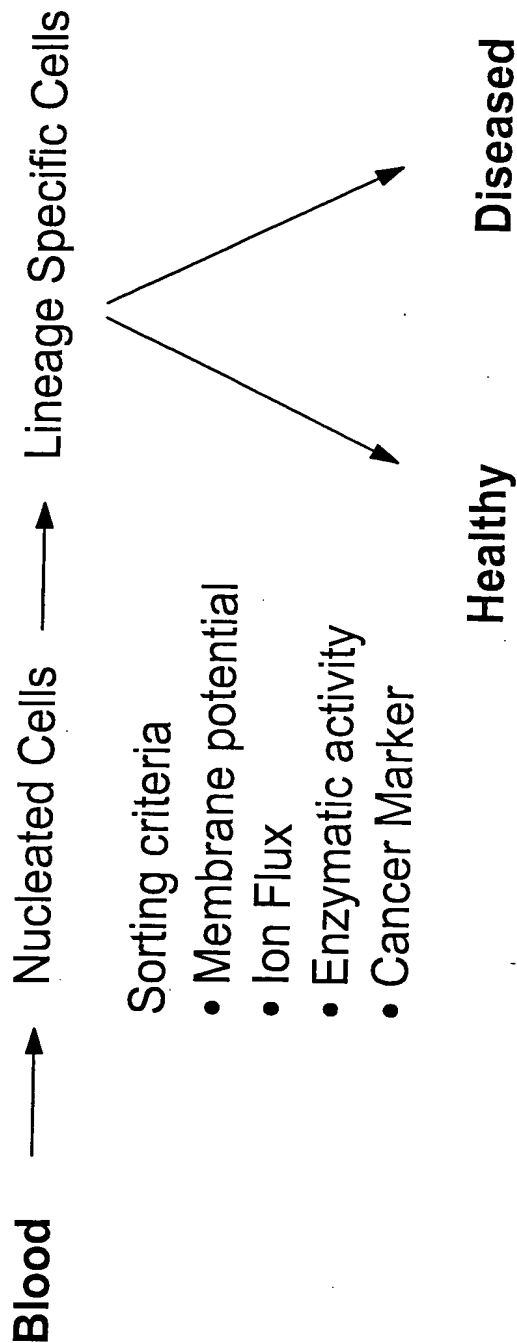
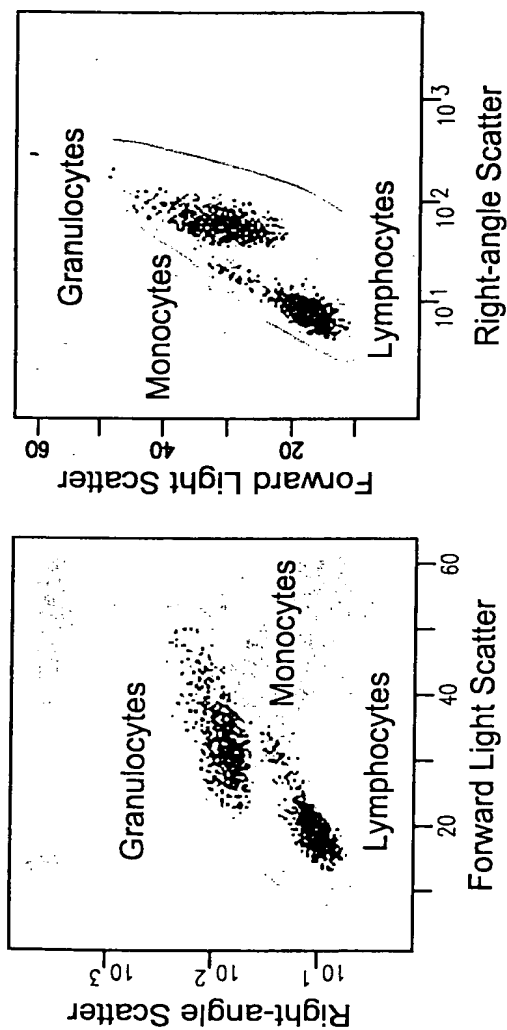


FIG. 19a

# Sorting Cell Types From Blood

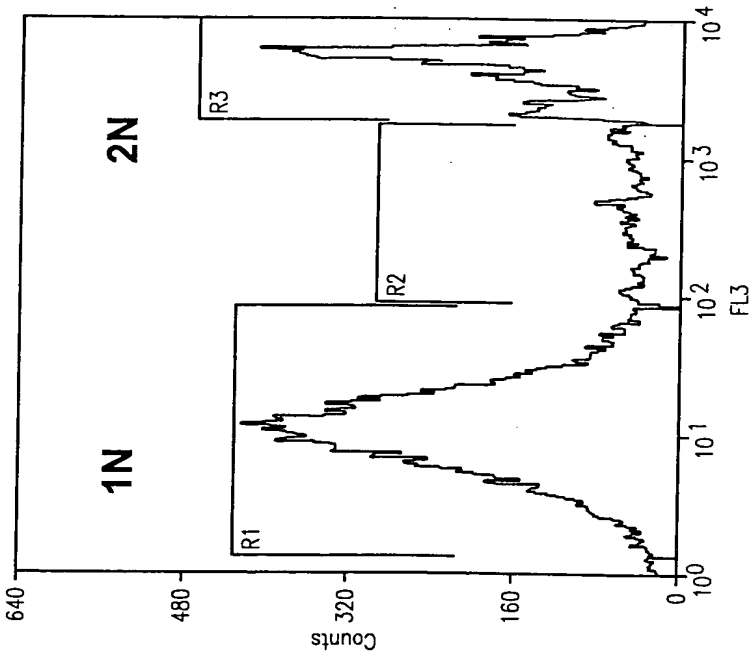


Cell types from peripheral blood cause light scatter in reproducible manners that allow separation without labeling

FIG. 19b

# Cell Cycle Differences

DNA Content of Asynchronous Cells in Culture



Cell Culture of Lineage-Specific Blood Cells

Synchronization of Cell Cycle and Confirmation By Flow Cytometry

Protein fractionation

FIG. 19c



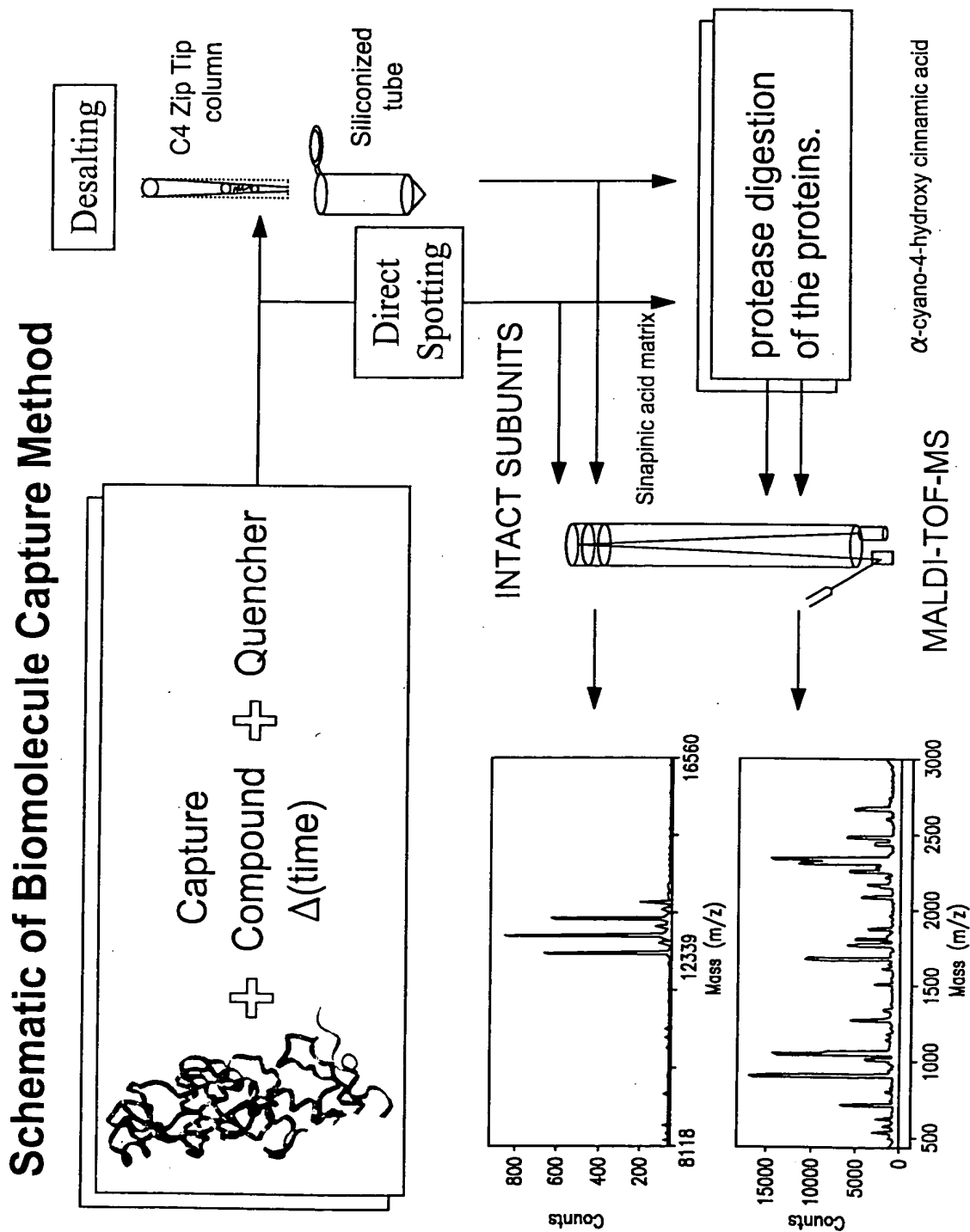
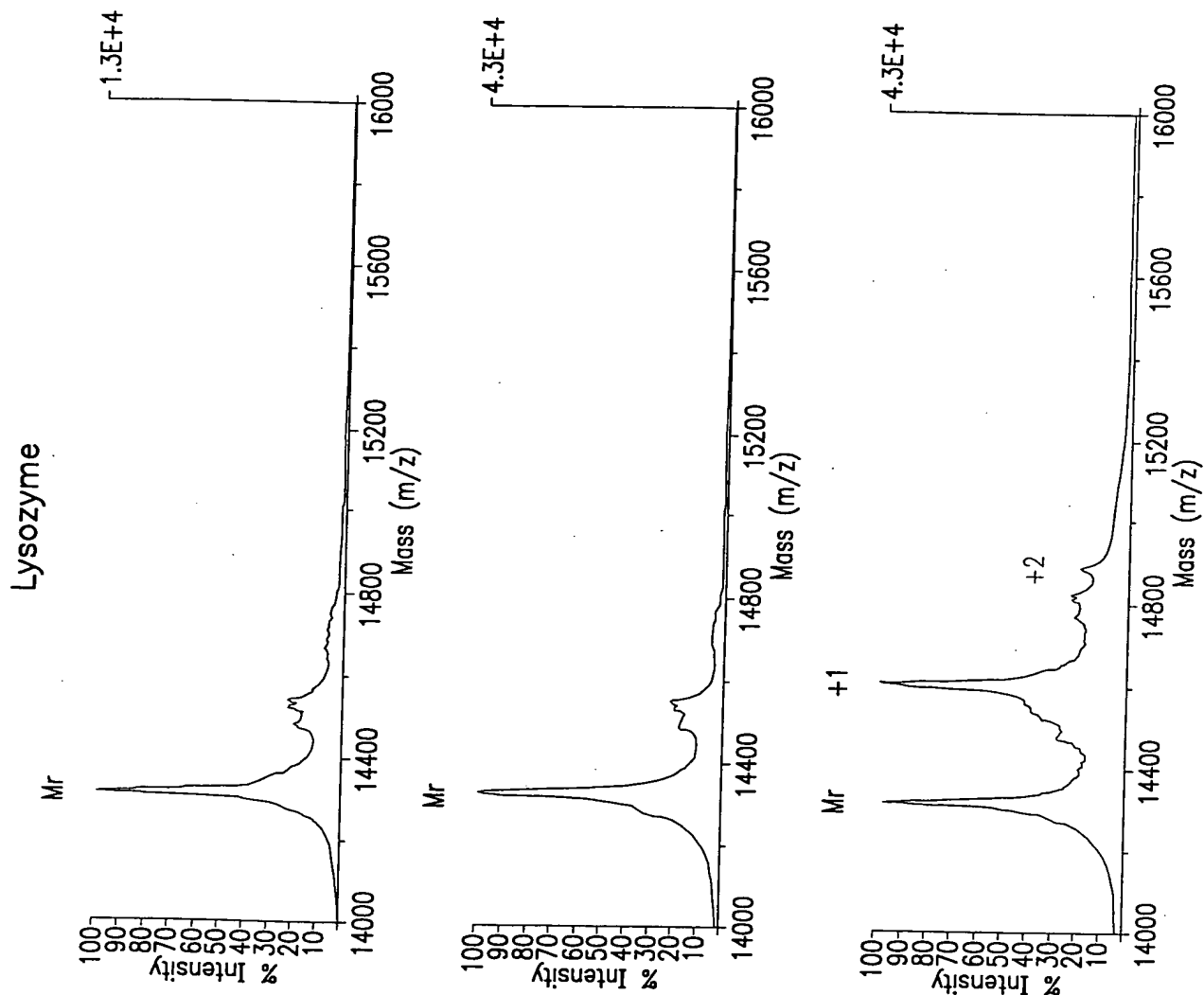
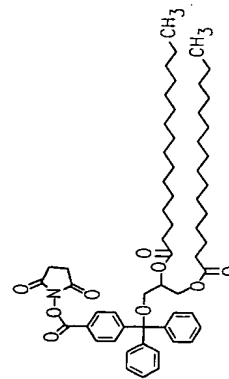
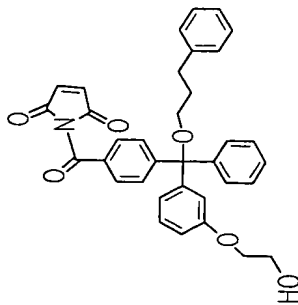
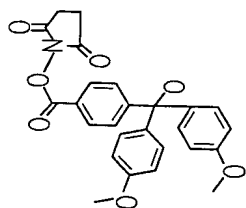
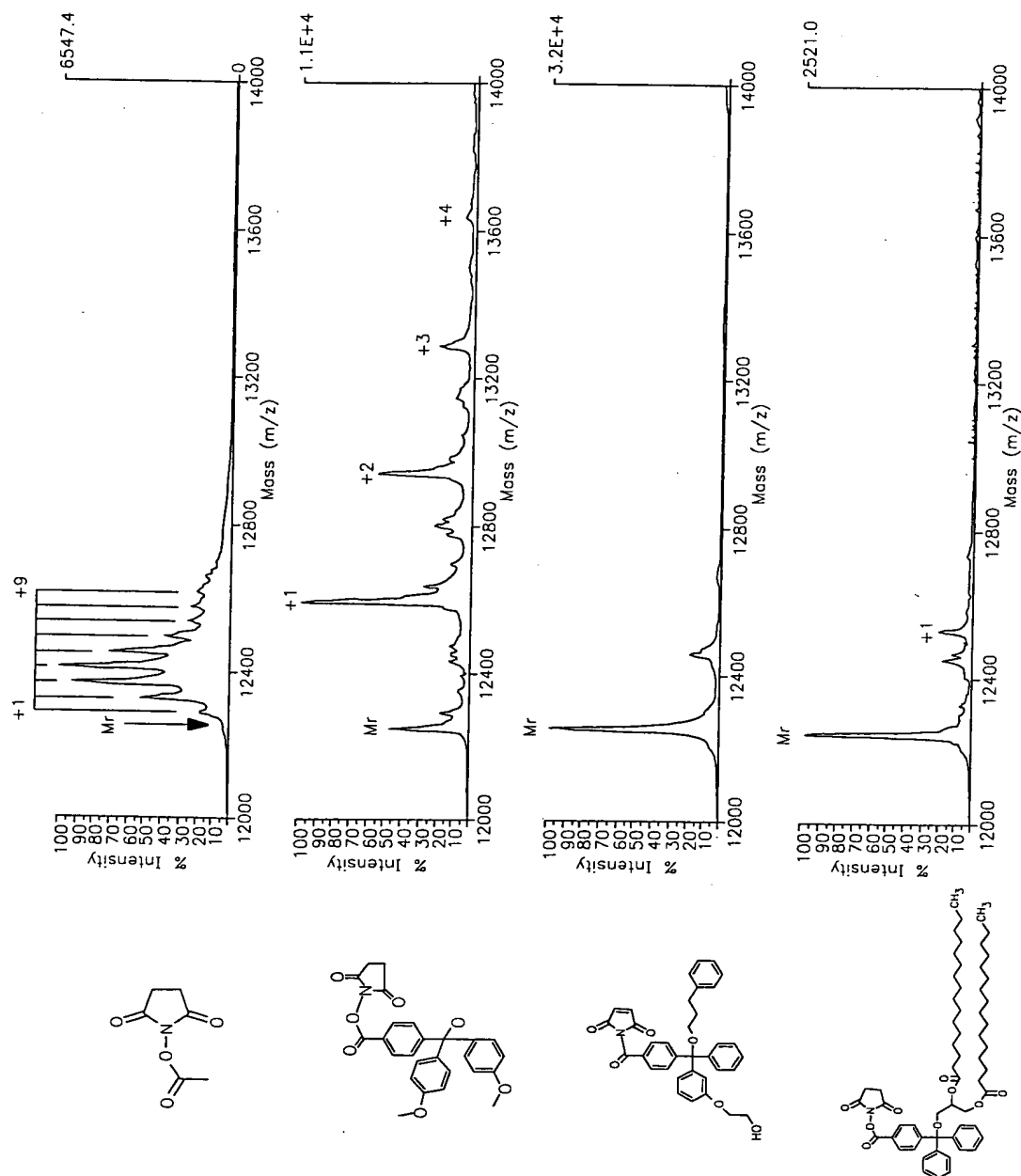
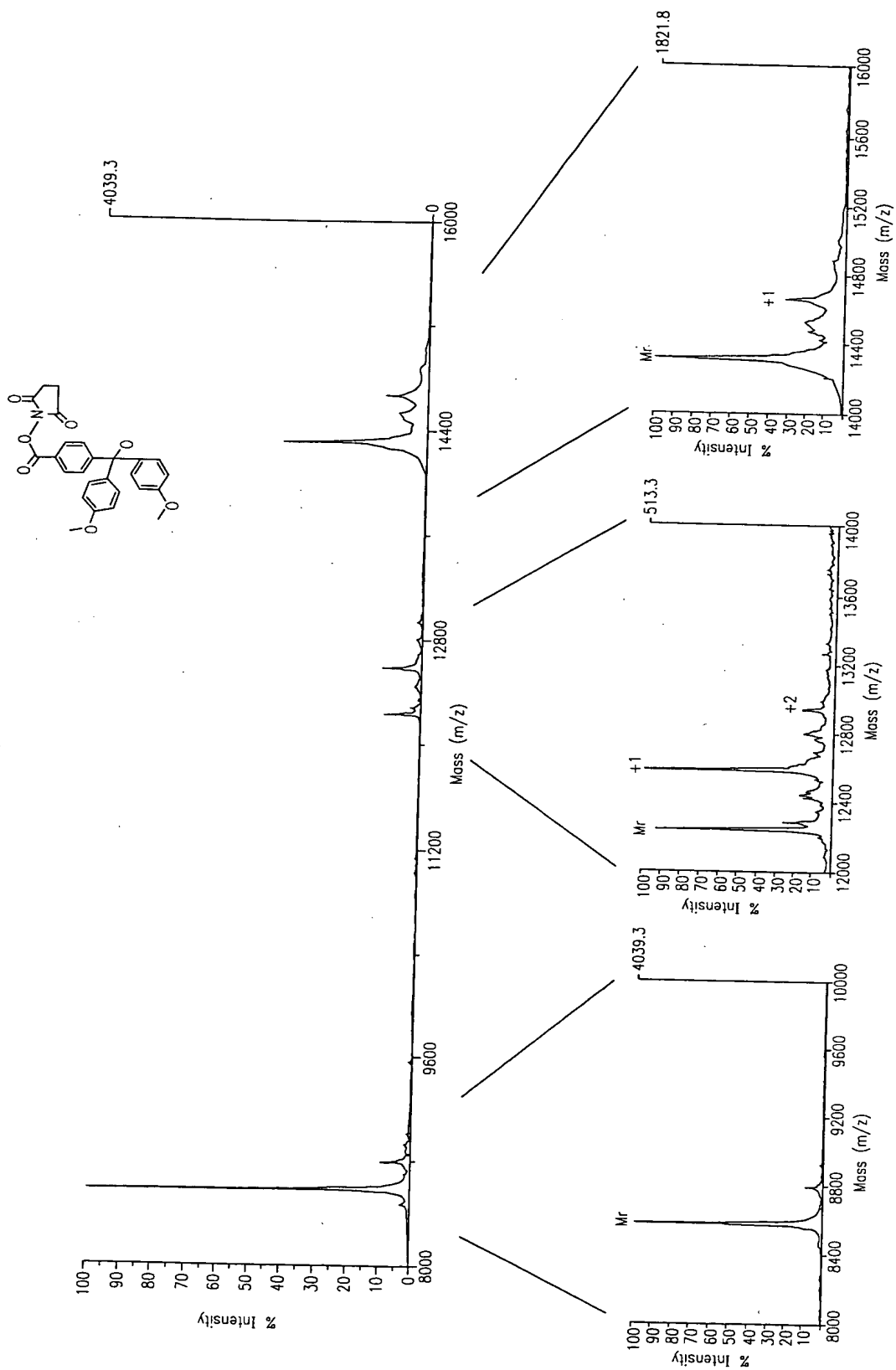


FIG. 20a



## Cytochrome C



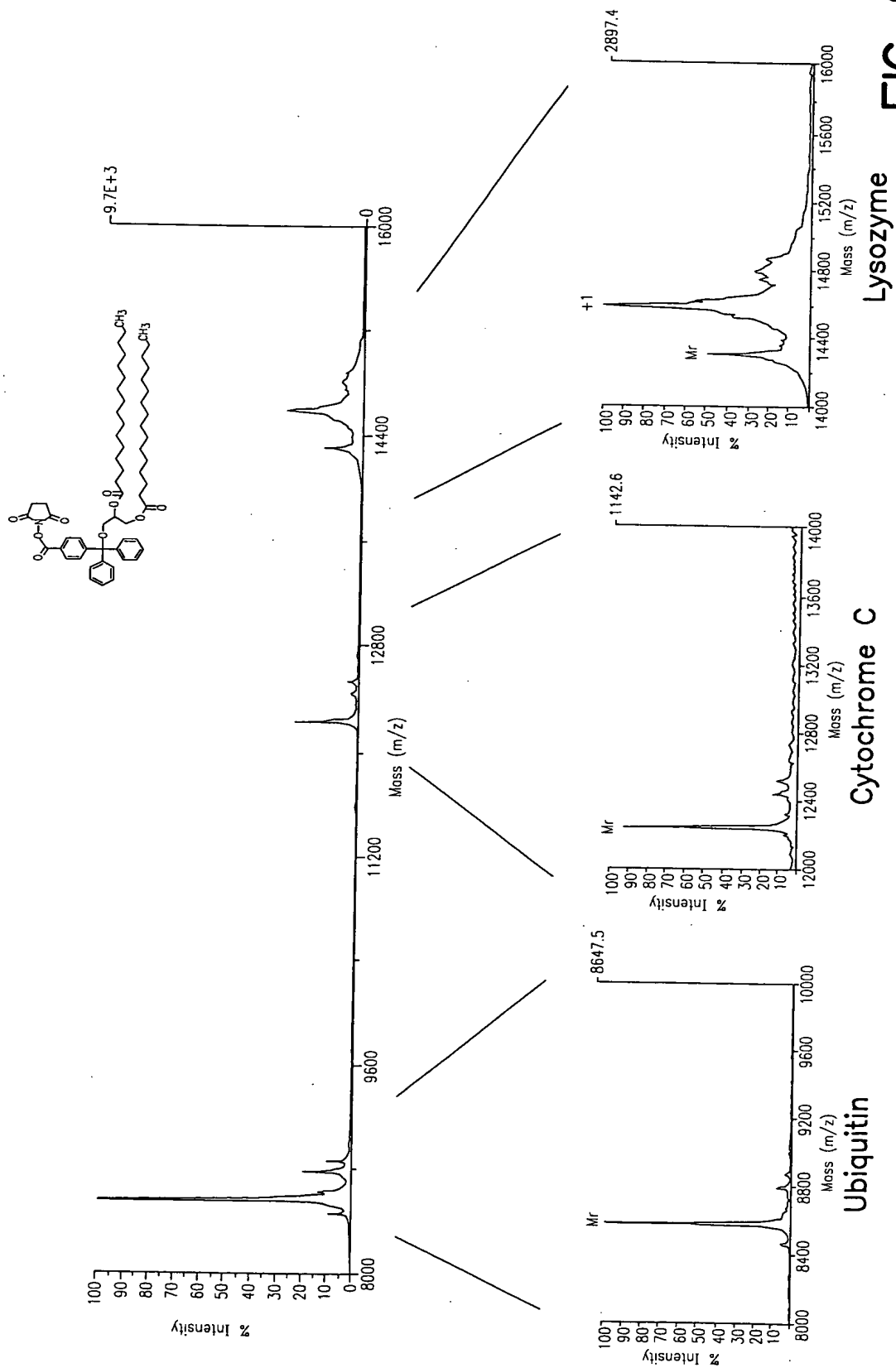


Ubiquitin

Cytochrome C

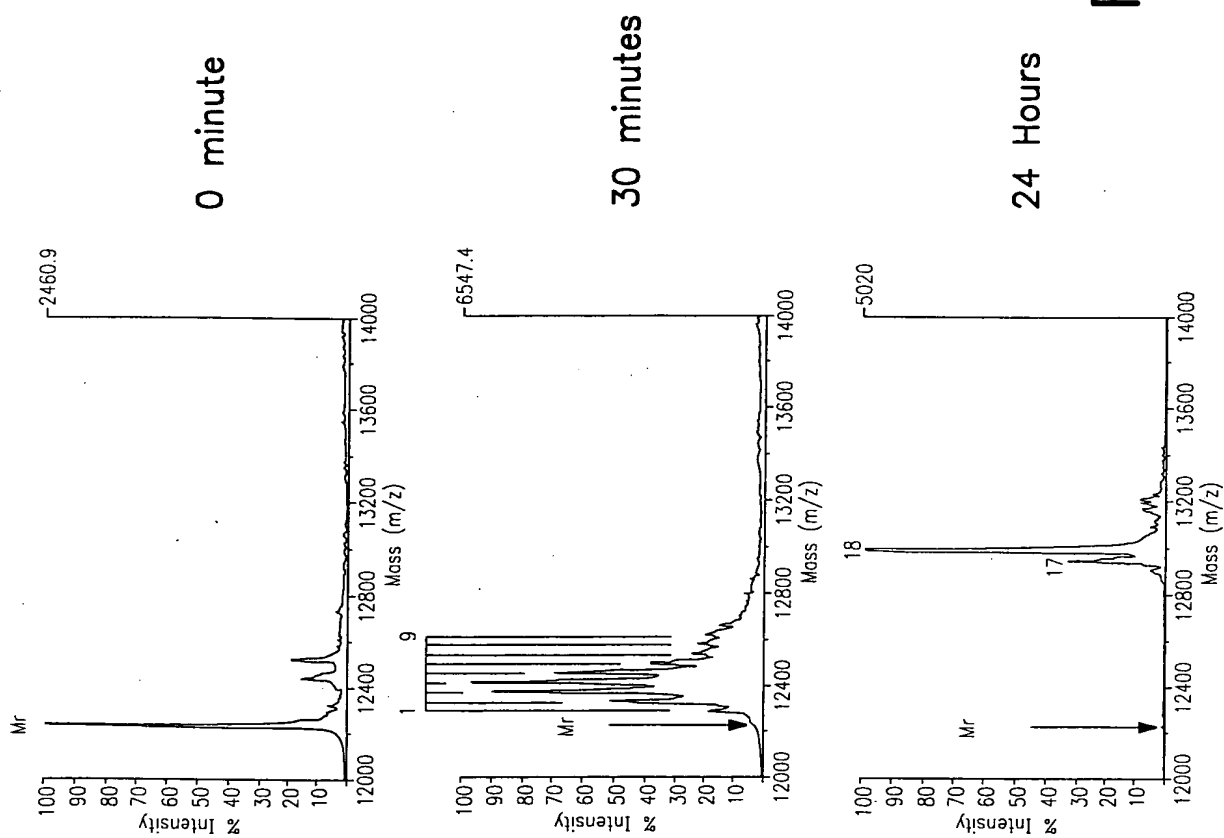
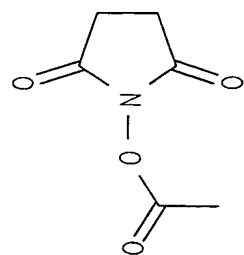
Lysozyme

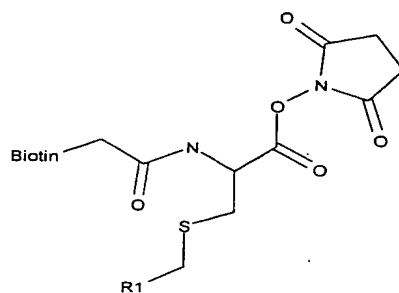
FIG. 20d



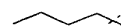
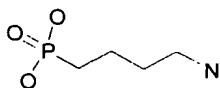
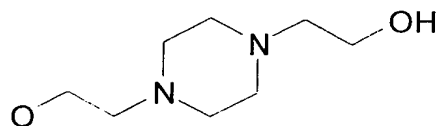
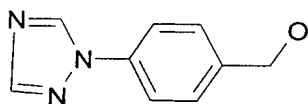
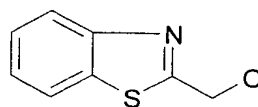
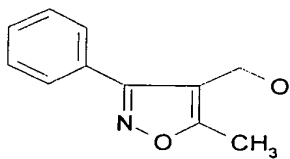
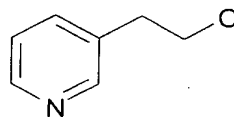
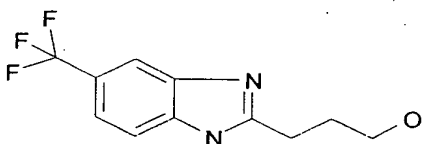
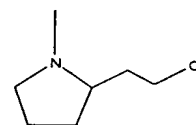
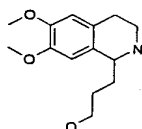
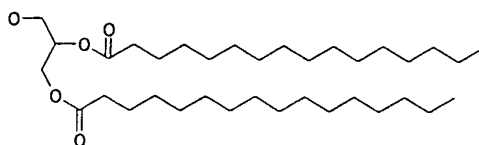
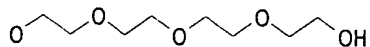
**FIG. 20e**

# Cytochrome C (18 Lys) Reaction with Non-Specific Compound





**R1 (Selectivity Function)**



**FIG. 21A**

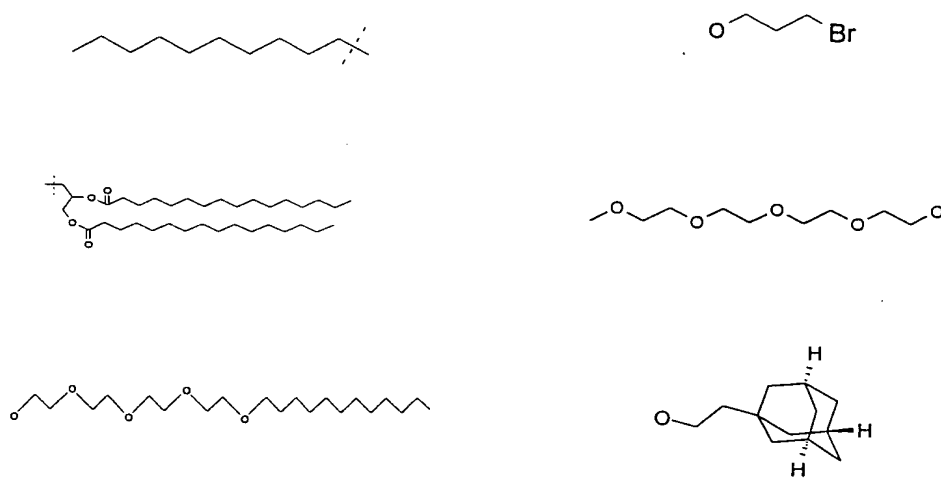
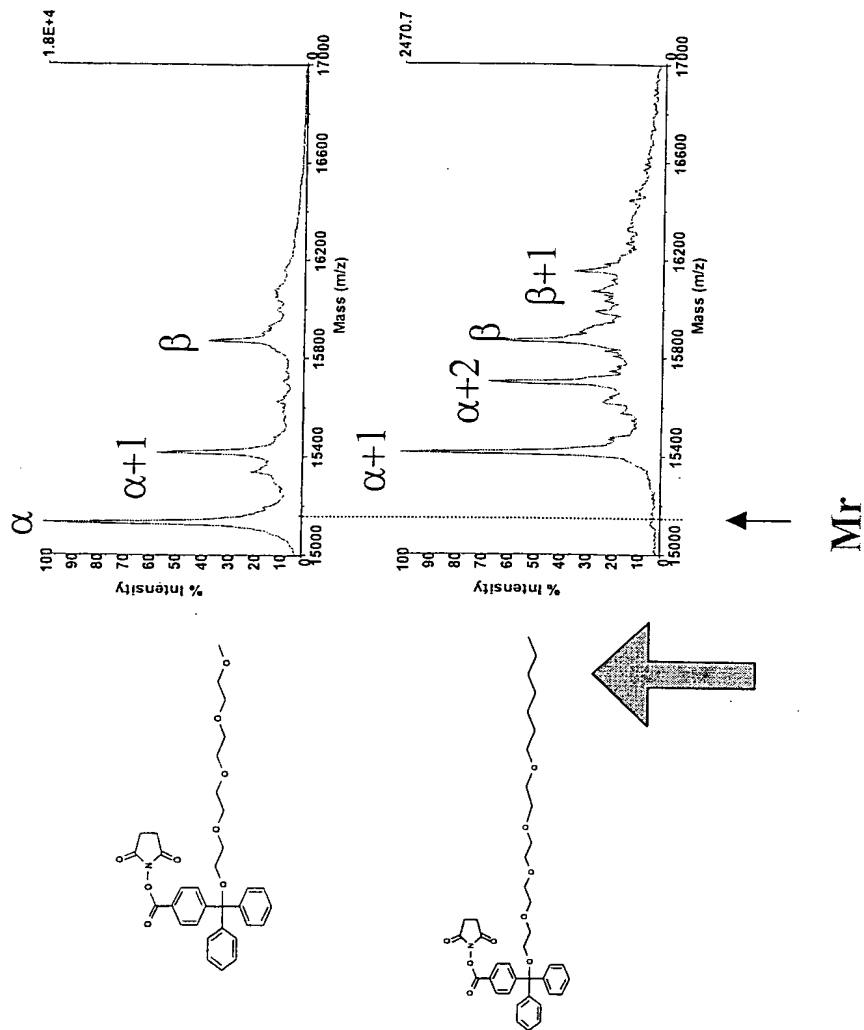


FIG. 21B



# Hemoglobin



**FIG. 22**

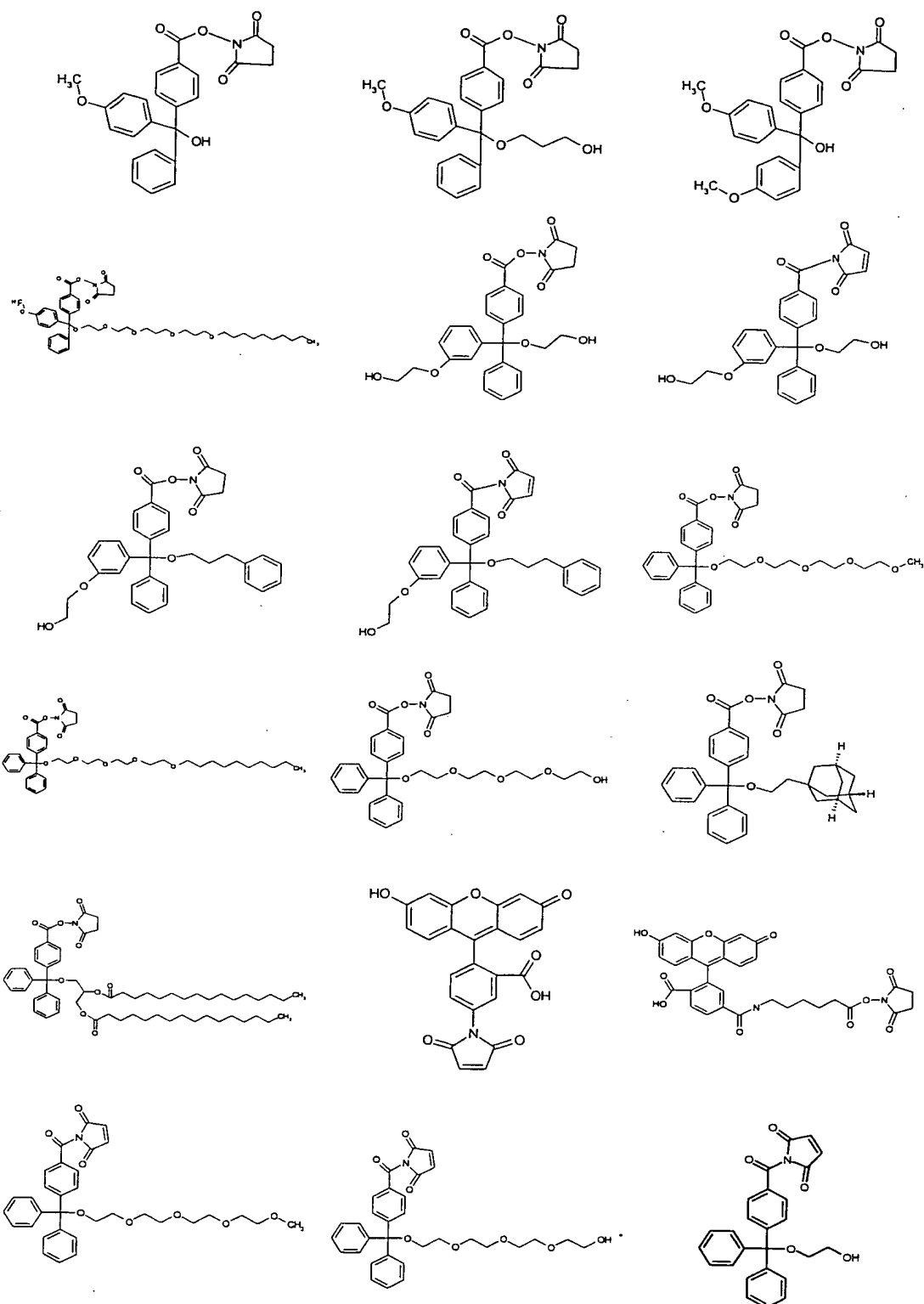


FIG. 23A

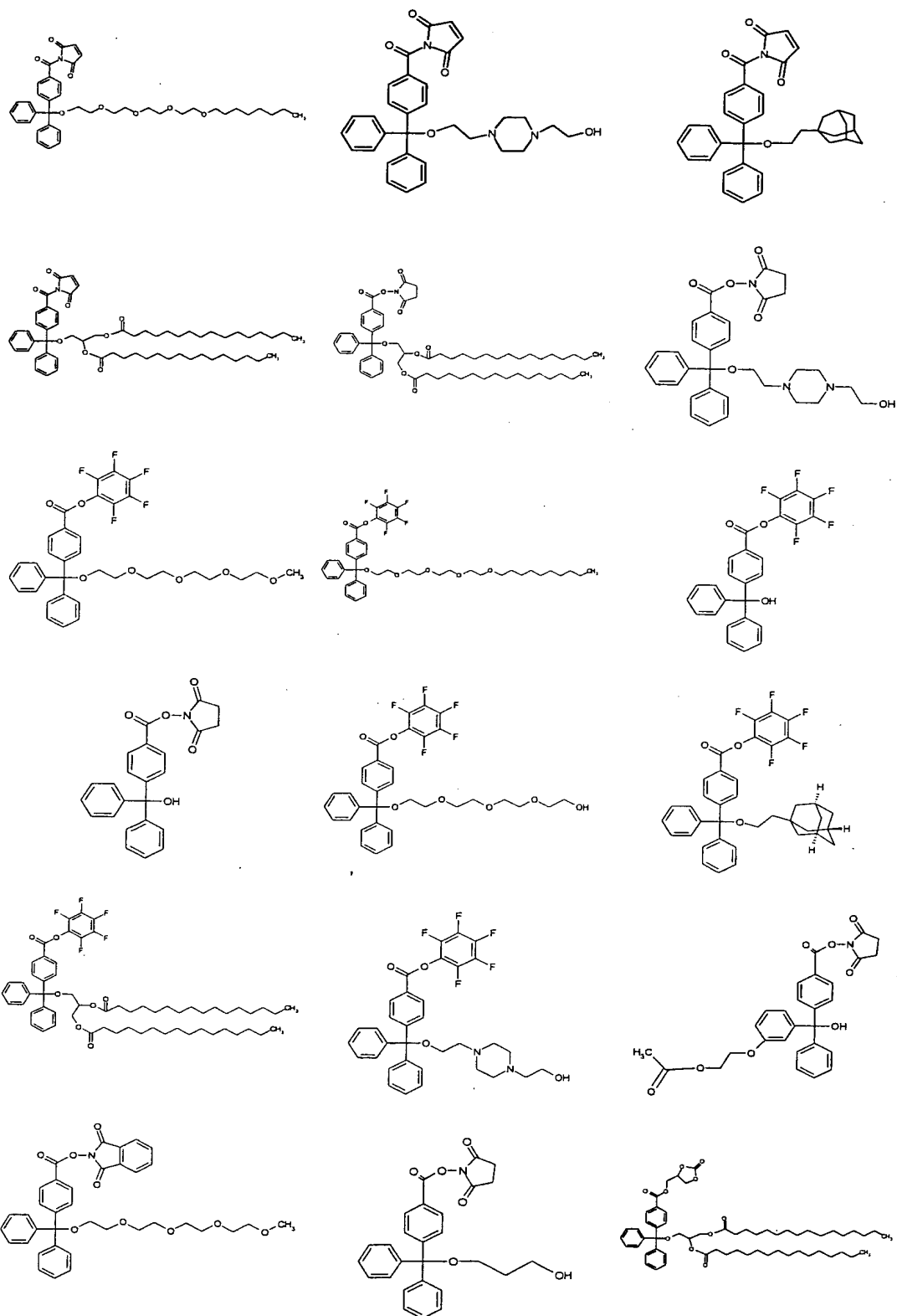


FIG. 23B

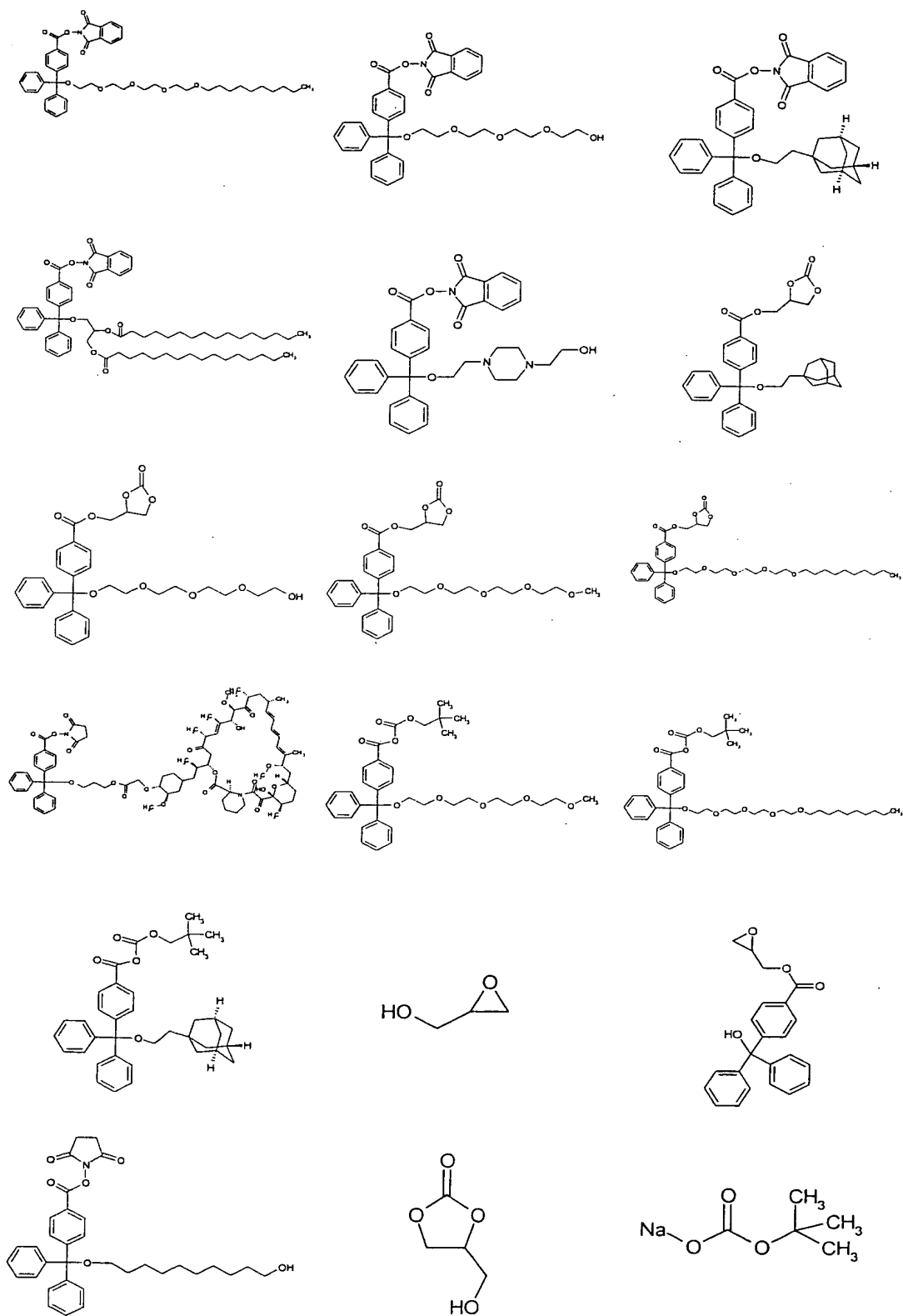


FIG. 23C

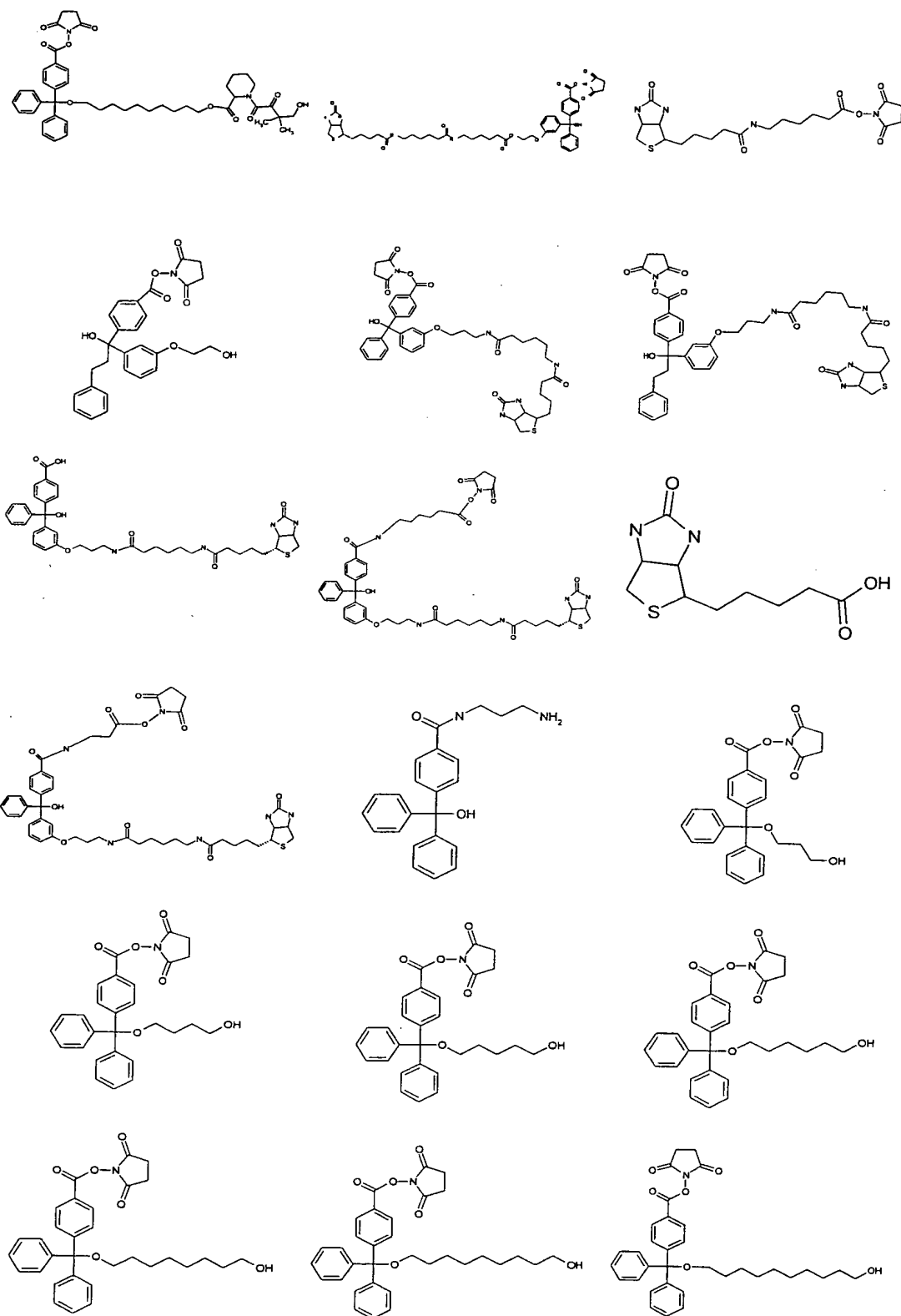
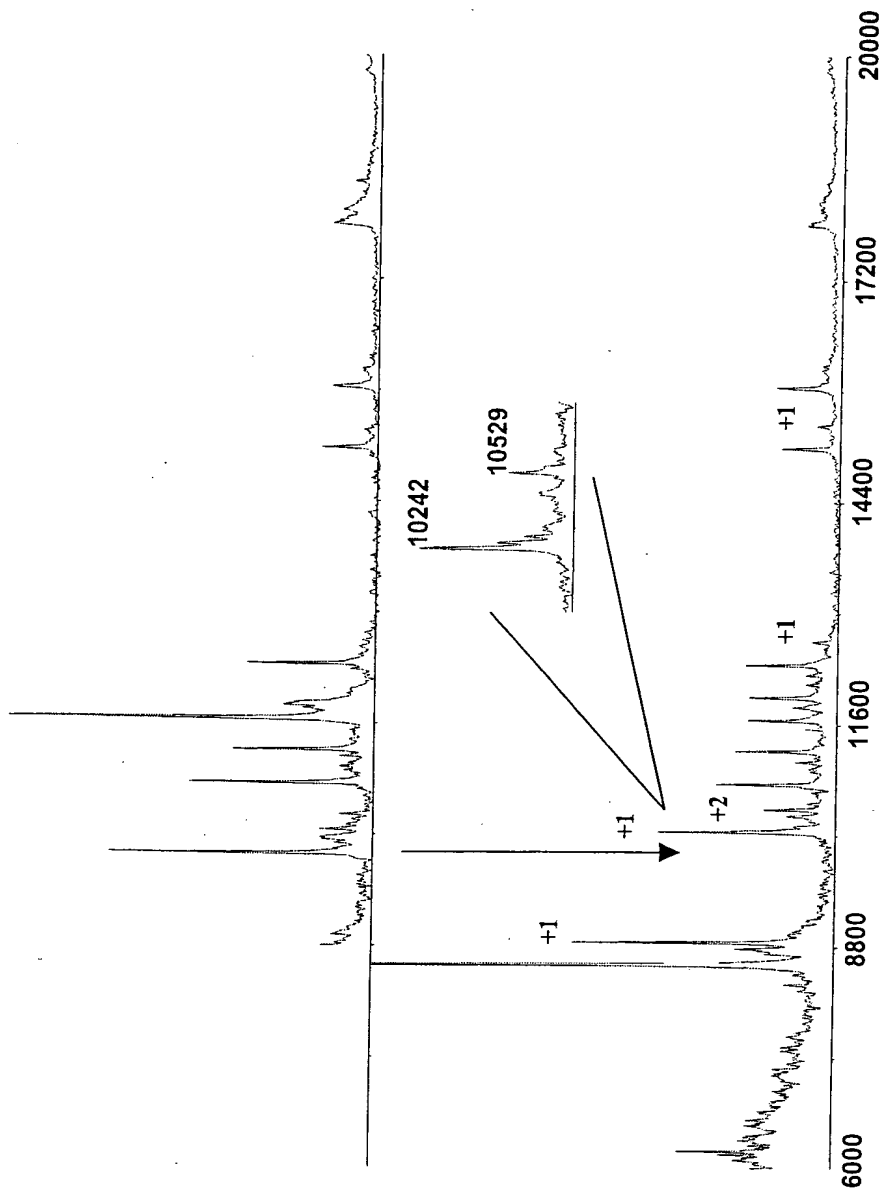


FIG. 23D



U937

U937 + CC

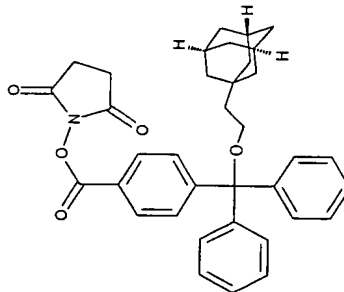
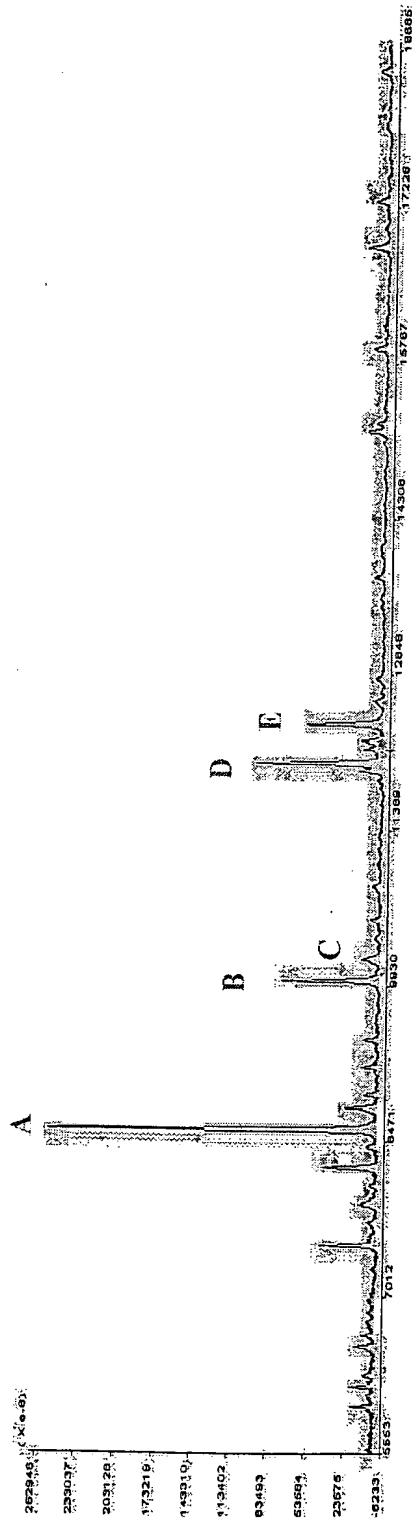


FIG. 24

## Burkitt's Lymphoma Cytosol



## Burkitt's Captured Proteins

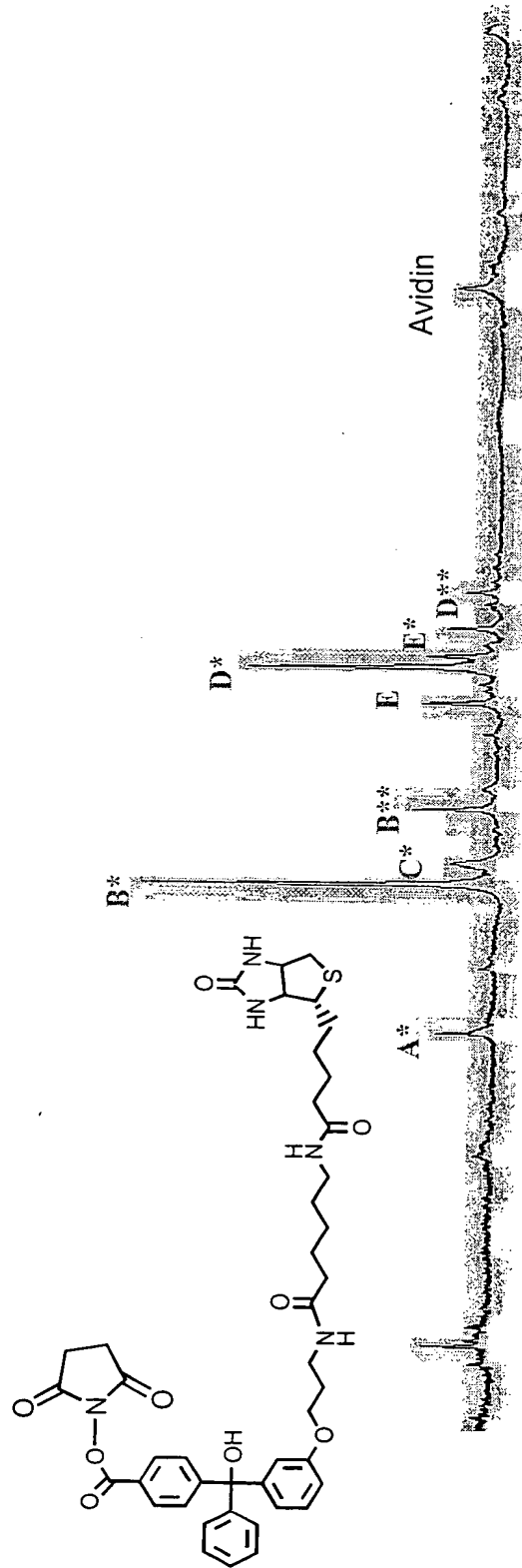
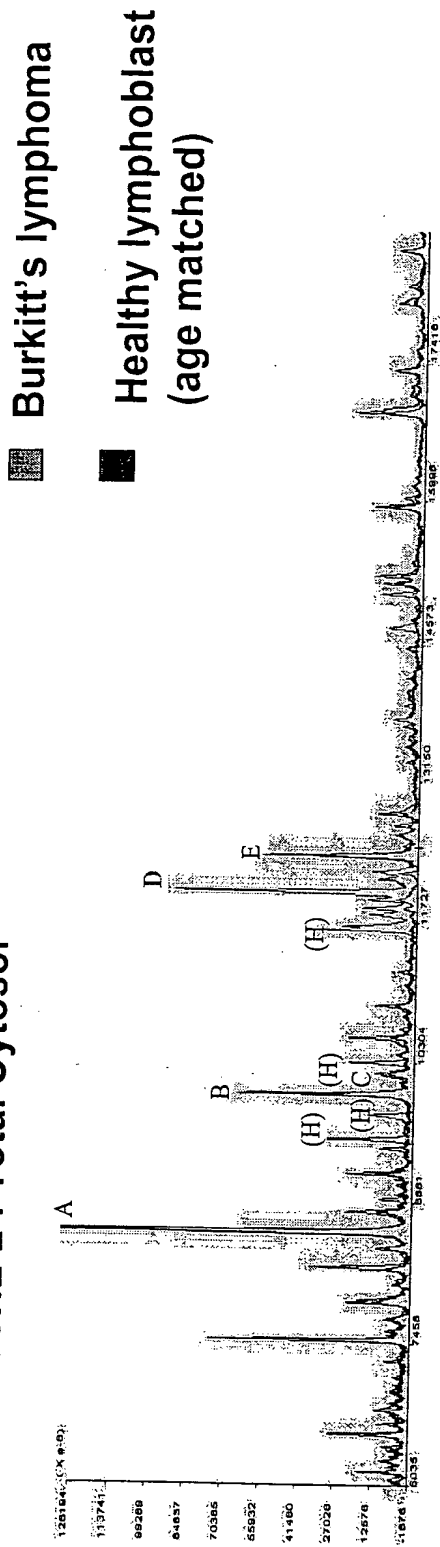


FIG. 25

# Ramos vs. WIL-2 : Total Cytosol



# Ramos vs. WIL-2: Capture

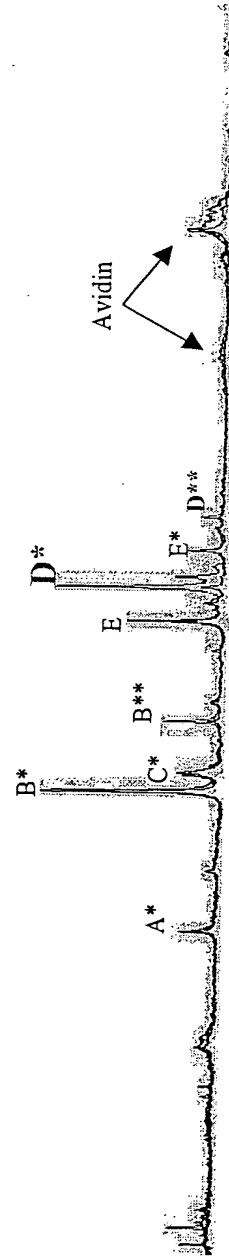
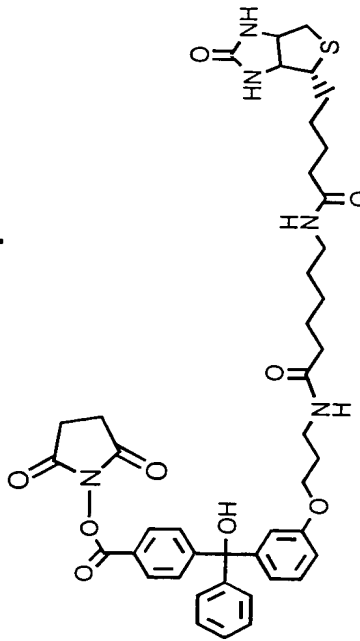


FIG. 26



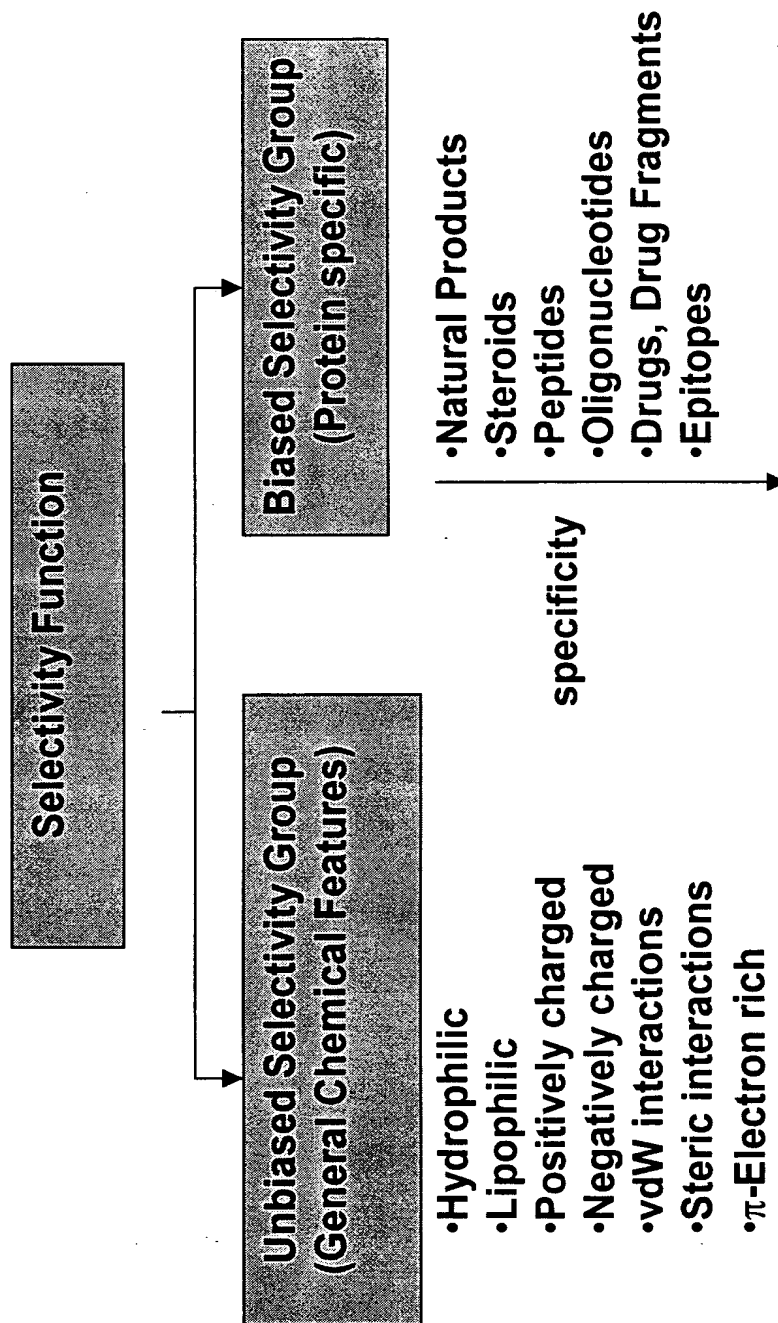


FIG. 27

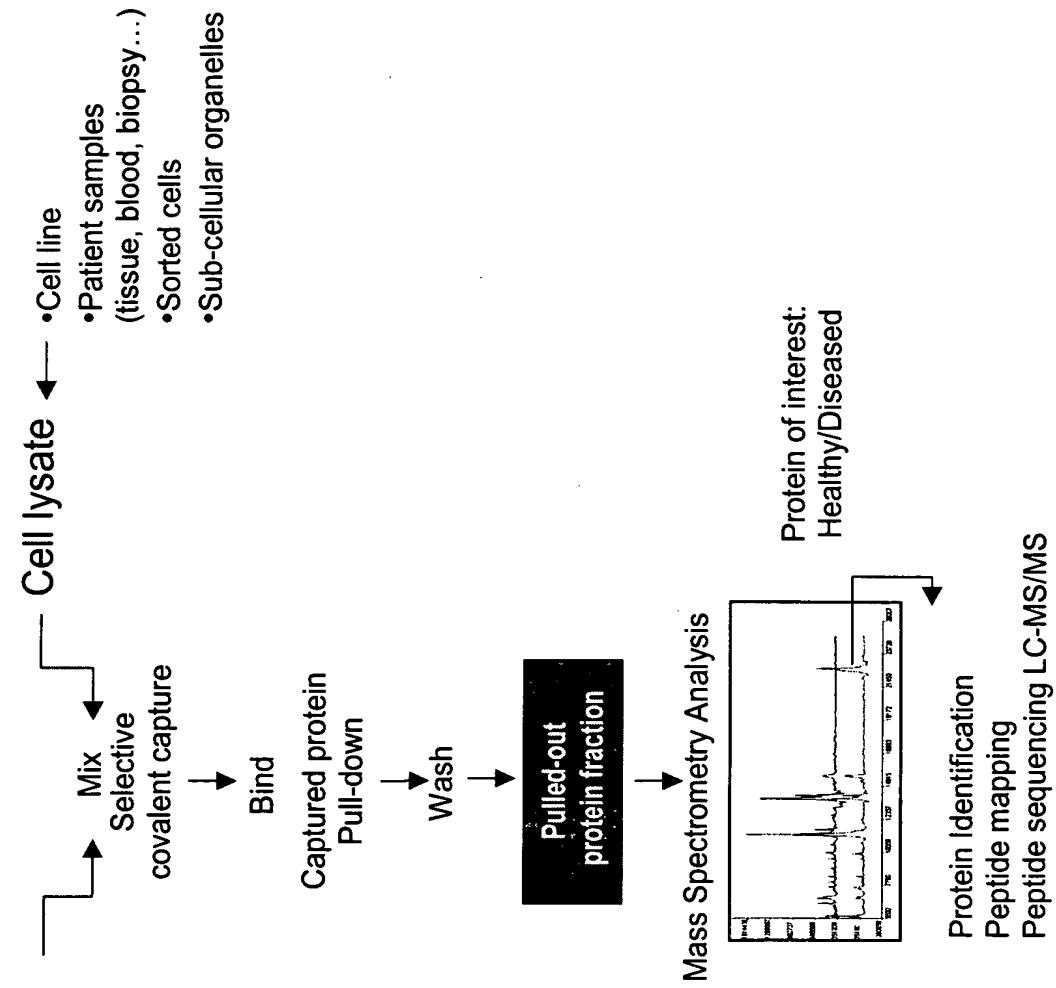


FIG. 28

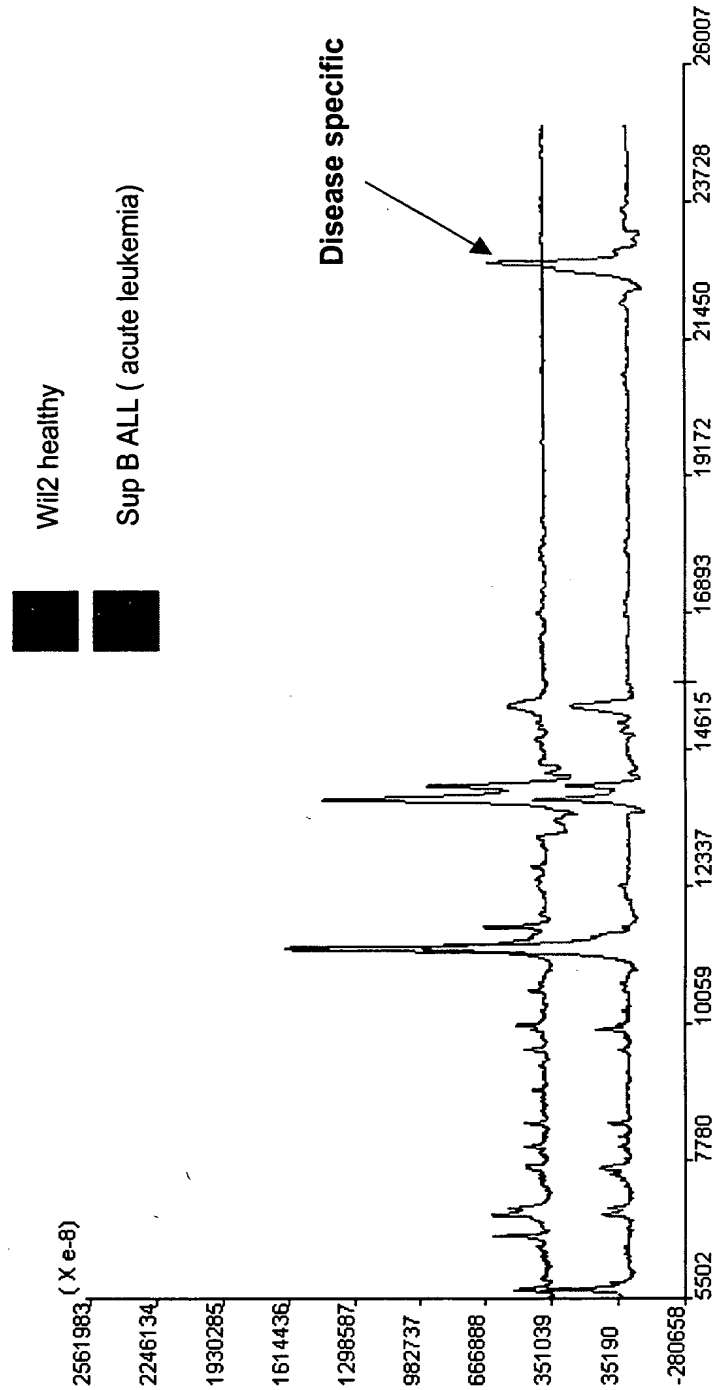


FIG. 29

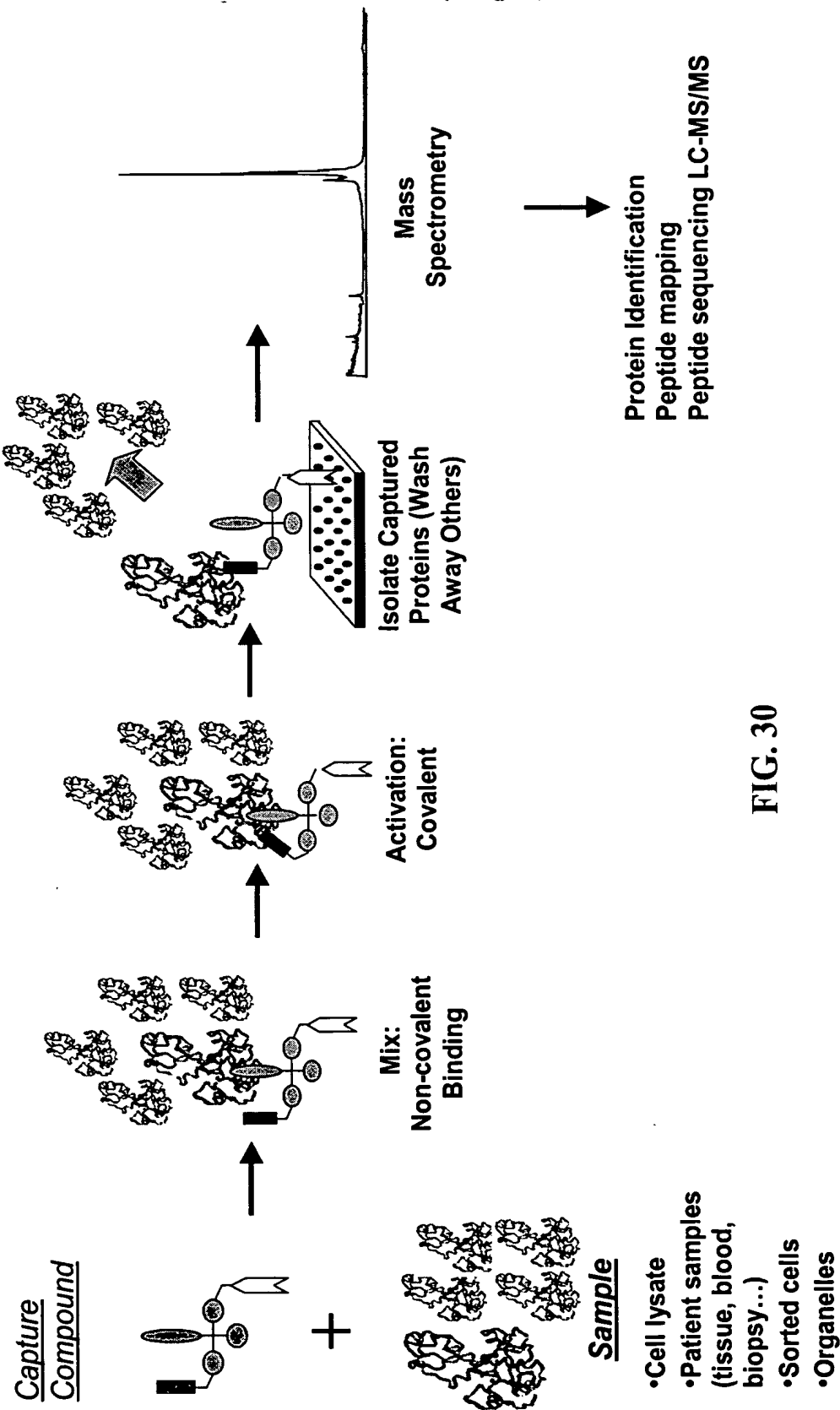


FIG. 30

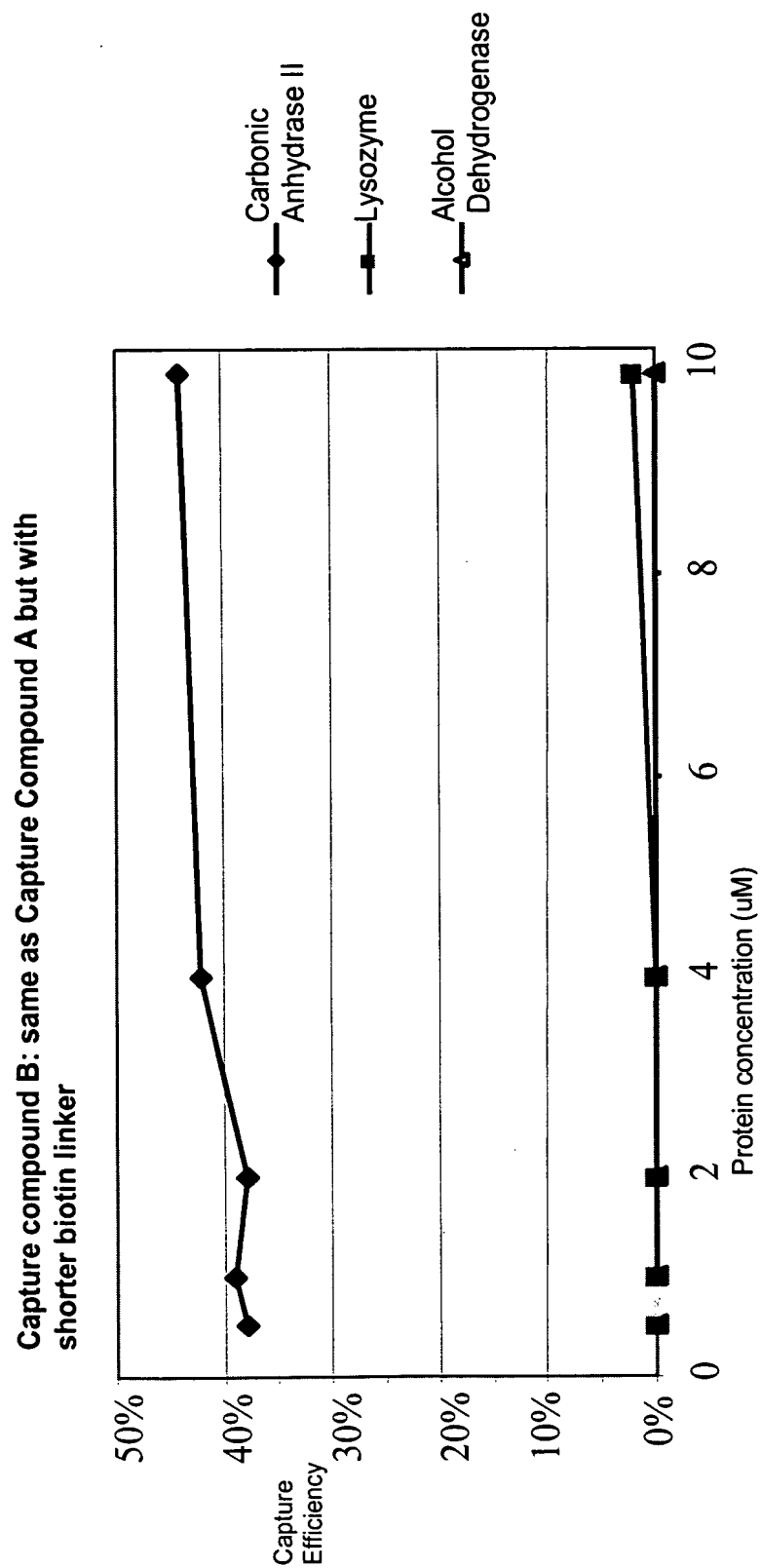


FIG. 31

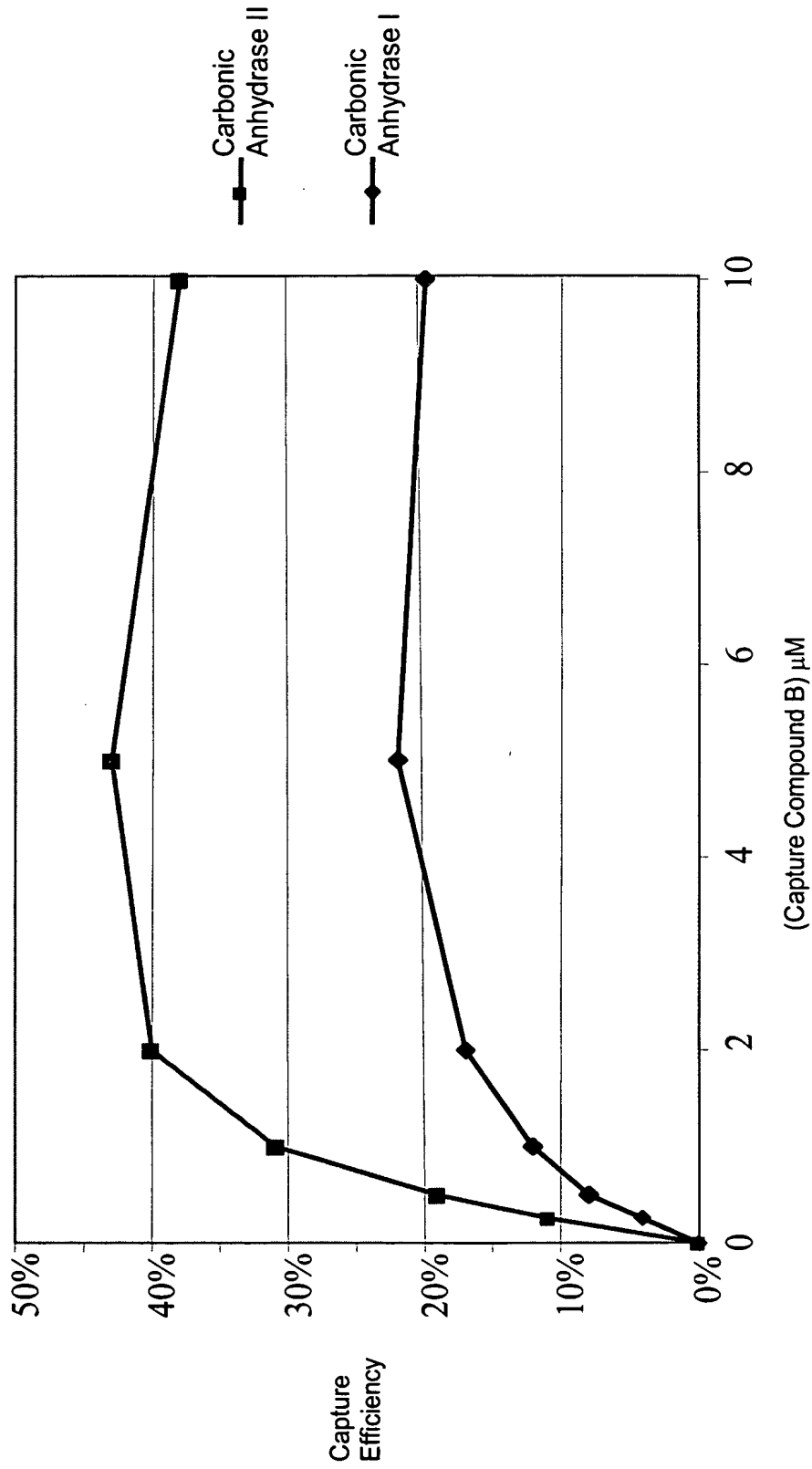


FIG. 32

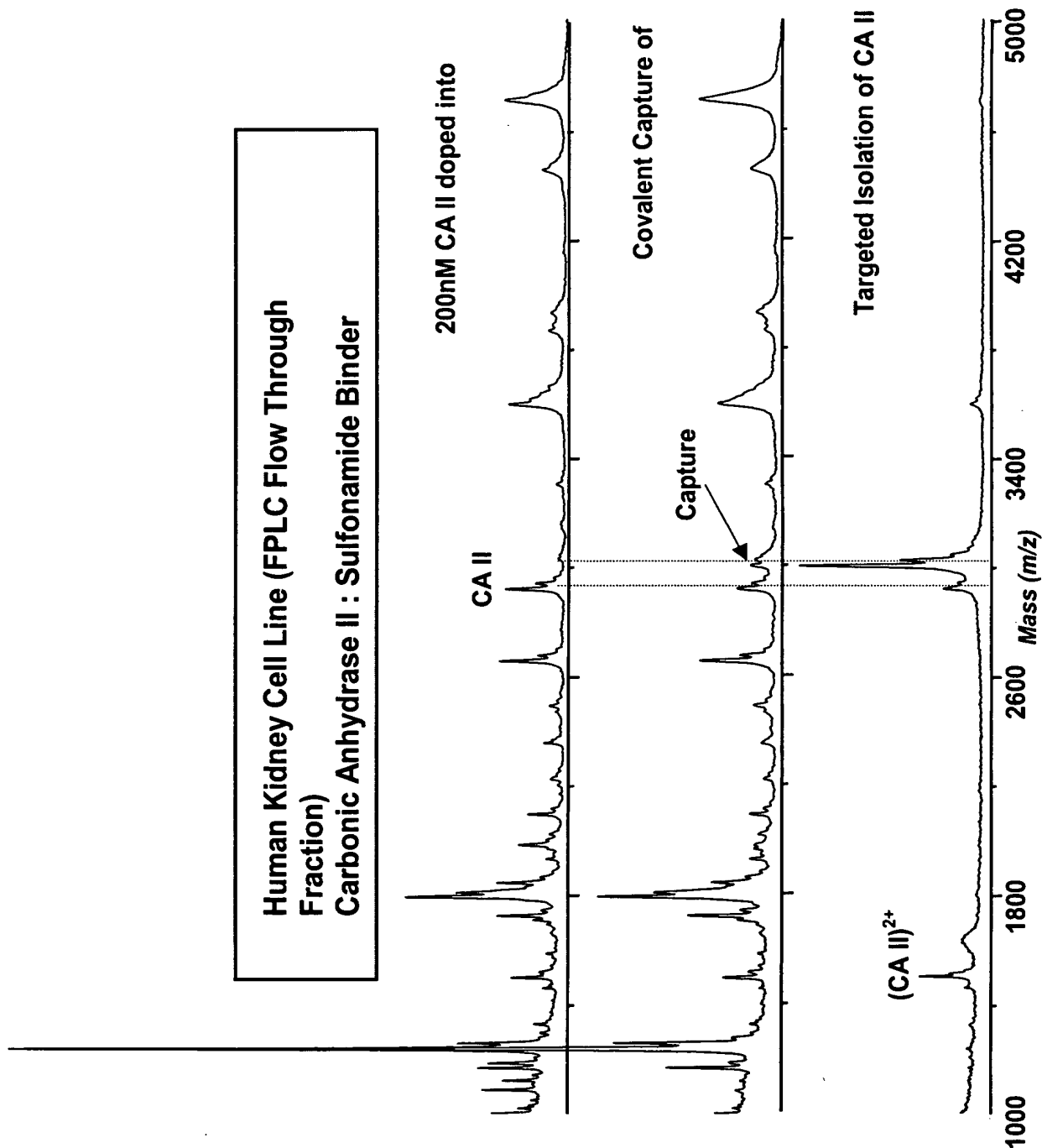


FIG. 33

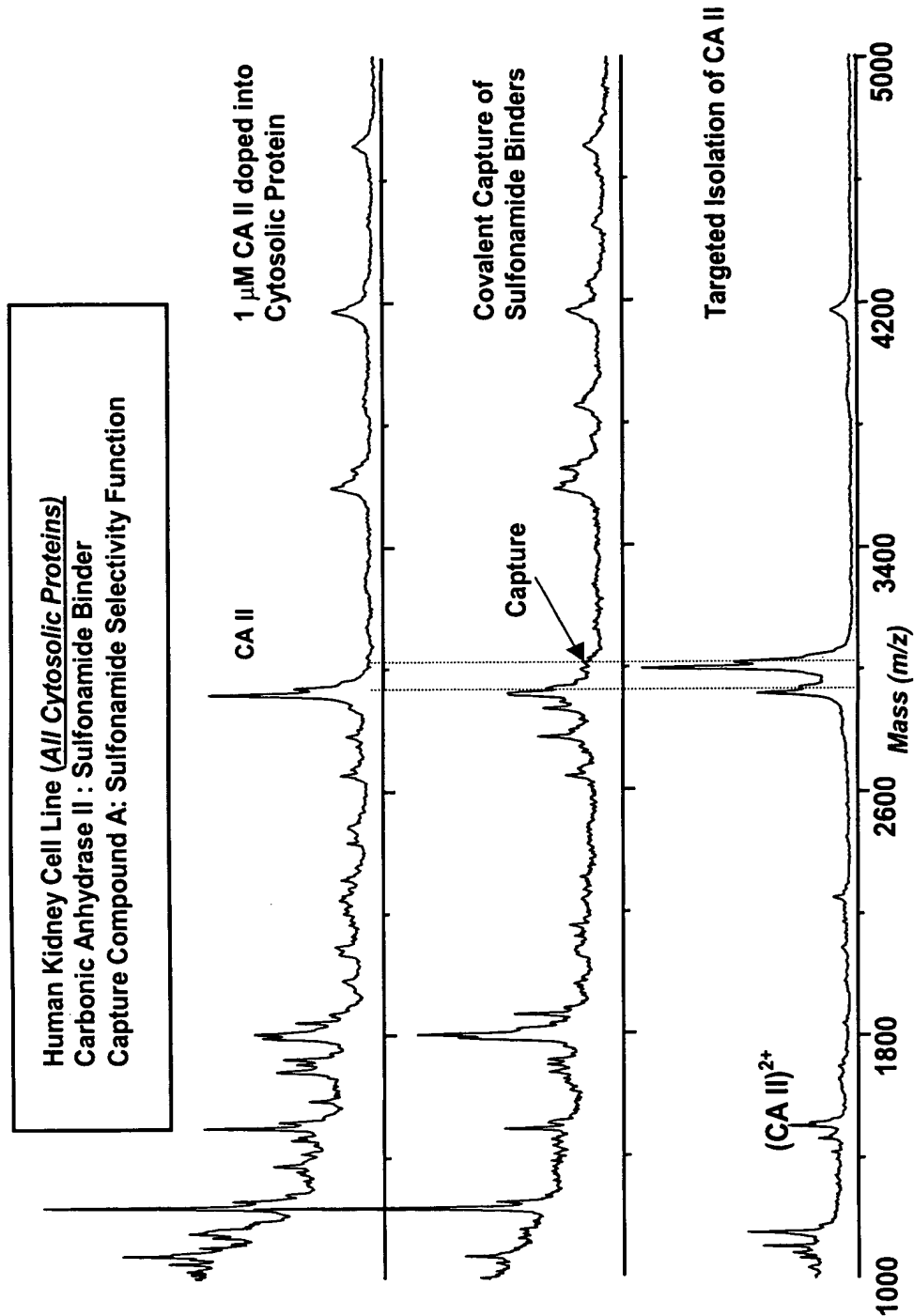


FIG. 34



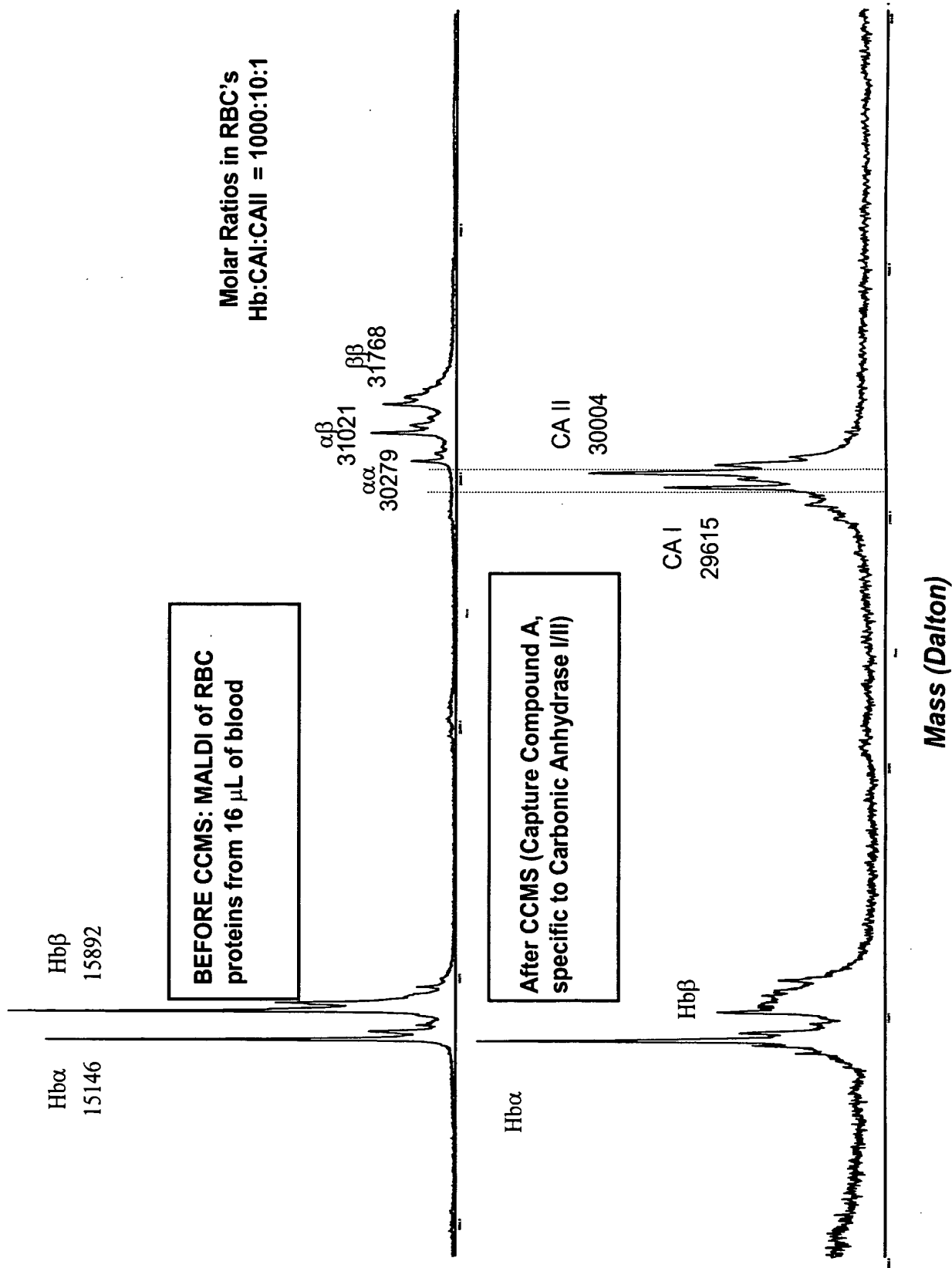


FIG. 35

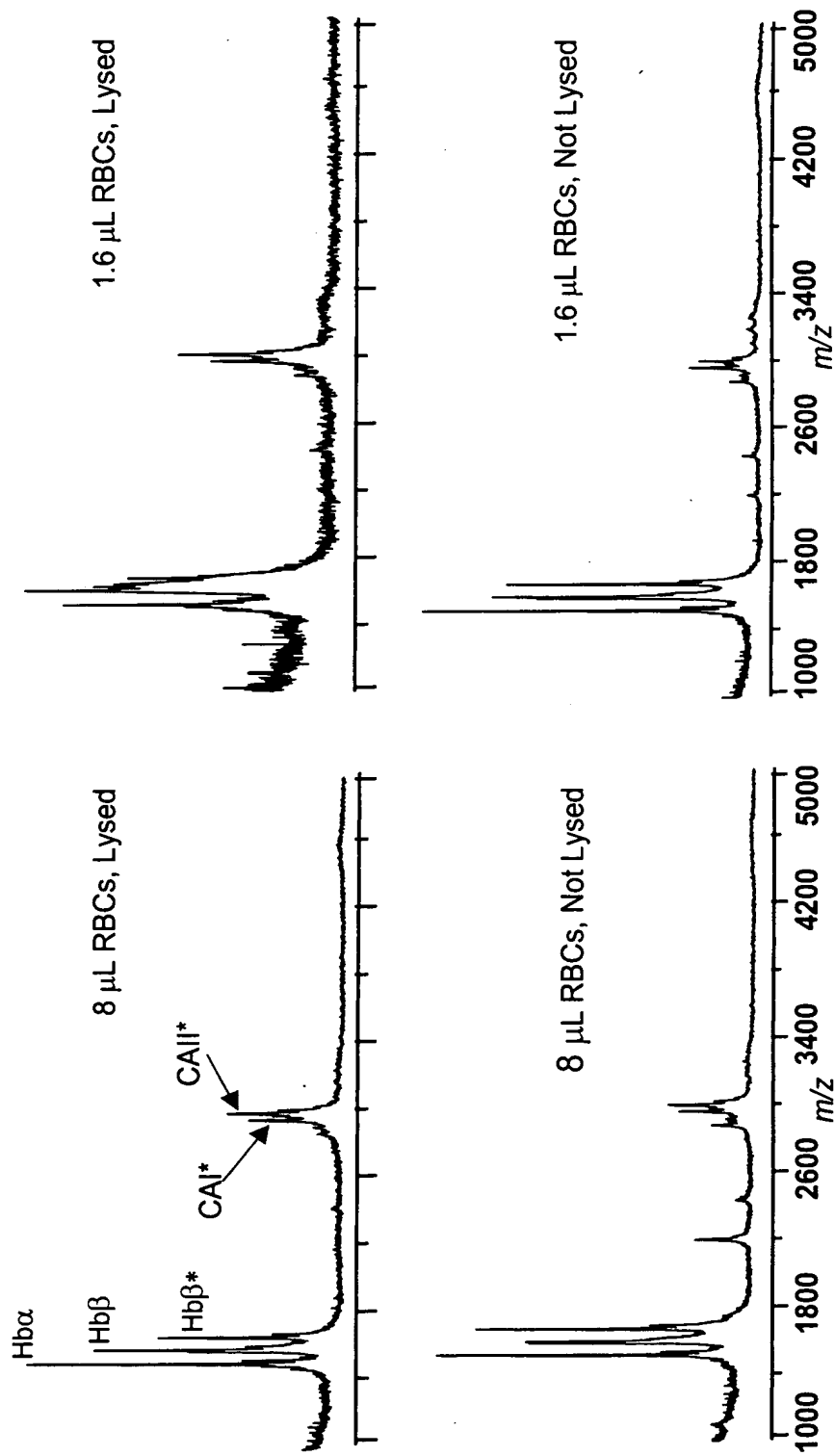


FIG. 36

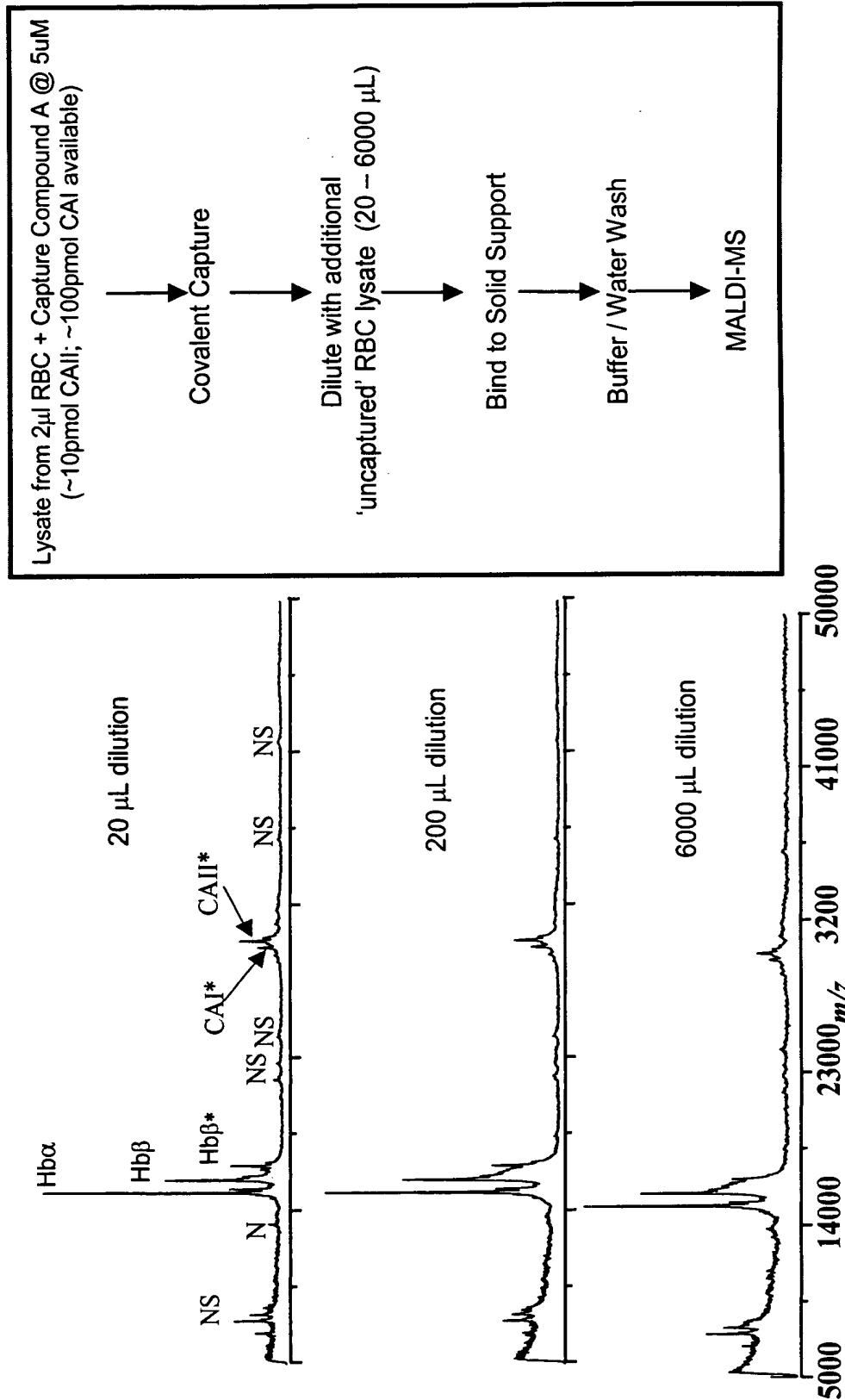


FIG. 37

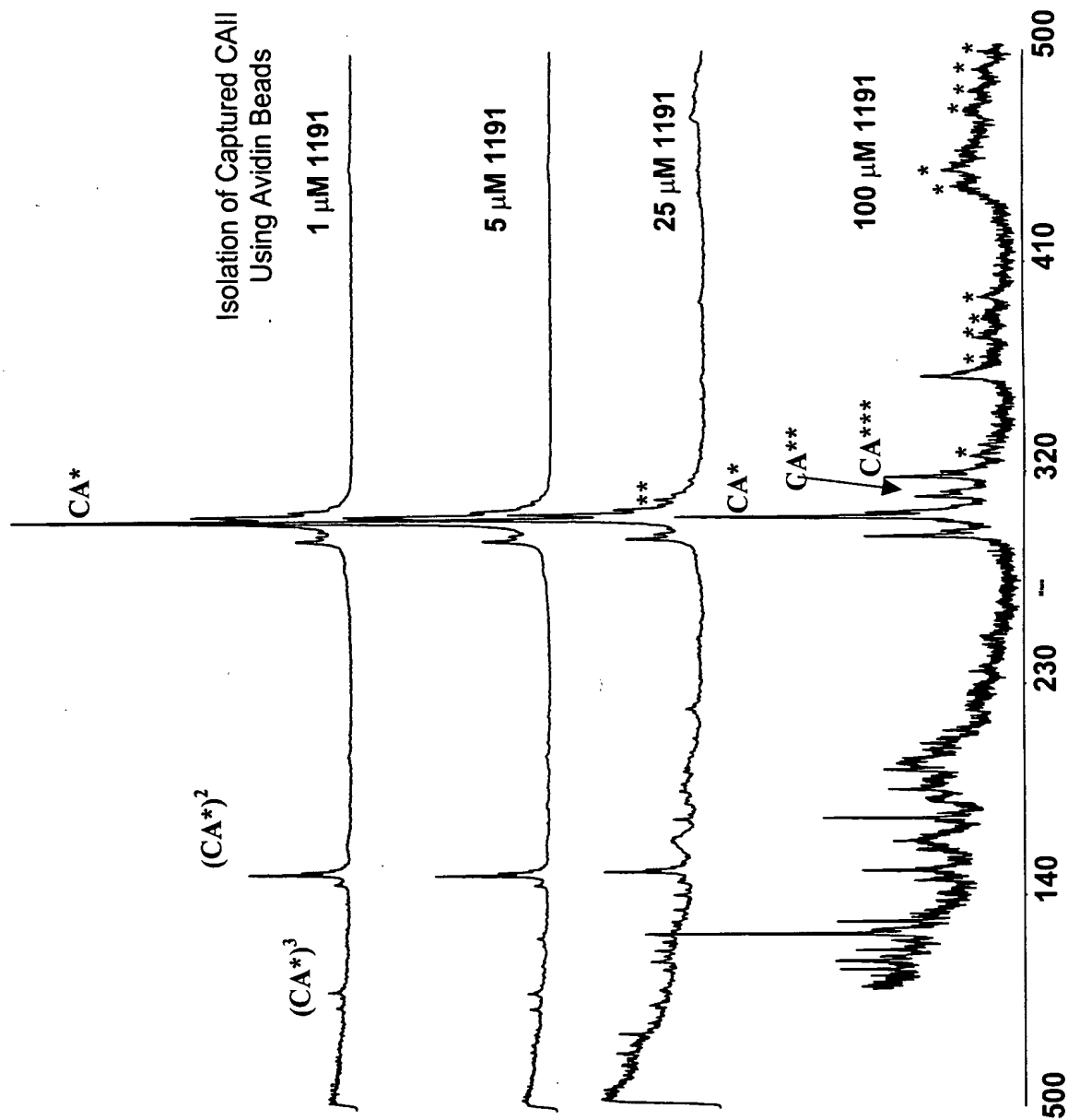


FIG. 38